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JULY 1986

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

SERVICES

UTAH
COCONINO
MOHAVE
KINGMAN
FLAGSTAFF
NAVAJO
APACHE
HOLBROOK
ST. JOHNS
CALIFORNIA
PRESCOTT
YAVAPAI
NEW MEXICO
PARKER
LA PAZ
GILA
PHOENIX
GLOBE
GREENLEE
CLIFTON
MARICOPA
FLORENCE
SAFFORD
YUMA
PINAL
YUMA
GRAHAM
TUCSON
PIMA
COCHISE
MEXICO
SANTA CRUZ
BISBEE
NOGALES
ARIZONA

OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 700 occupations in Arizona. From these surveys, which required the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The *Occupational Profiles* contain the survey findings and examine, individually, the industries of Arizona.

Surveyed industries include:

Mining
Construction
Manufacturing
Transportation, Communications, and Public Utilities
Trade
Finance, Insurance, and Real Estate
Services
Hospitals
Educational Services
Government

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY DESCRIPTION

Firms classified in the services industry represent those engaged in providing a wide range of services for individuals, businesses, government establishments, and other organizations. Included are hotels and lodging places; membership organizations (which include tribal councils and offices in American Indian communities); establishments providing personal, business, repair, and amusement services; health, legal, engineering, and other professional services; and miscellaneous services.

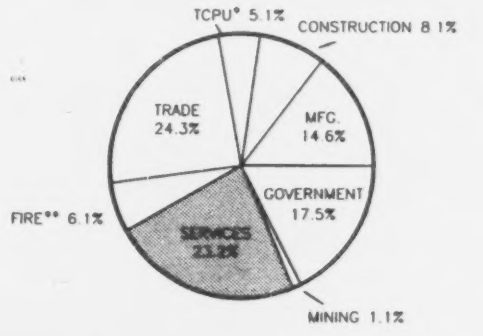
Establishments providing specialized services closely allied to mining, transportation, government, and other industries are classified in those divisions and not in the services industry. IMPORTANT: Education and public service (government) employment is excluded from this study as each is the subject of an individual study and publication.

A detailed description of the services industry can be found in the *Standard Industrial Classification Manual*[1] under codes 70 through 89.

INDUSTRY CHARACTERISTICS

Employing approximately 274,000 or 23 percent of Arizona's 1.2 million workers in 1984, services represents the state's second largest industry based on employment--trailing only trade. Depending on the industry classification system used, however, services can qualify as the state's largest. Most employees in Arizona schools are state government employees and, as such, are generally classified in the government sector. If one chooses to include these 98,000 workers in the educational services, the service sector swells to more than 370,000 employees and becomes the state's largest industry--followed by trade and manufacturing.

FIGURE 1: ARIZONA NONAGRICULTURAL EMPLOYMENT, 1984



* TCPU = Transportation, Communications, and Public Utilities
** FIRE = Finance, Insurance, and Real Estate

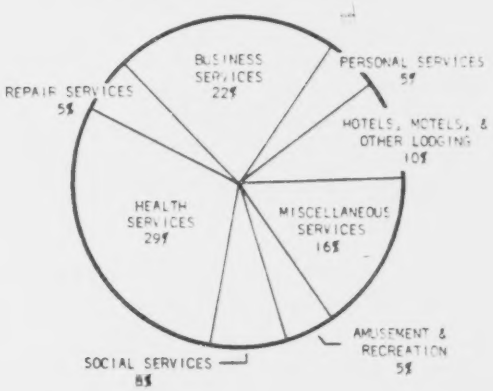
[1] Office of Management and Budget, *Standard Industrial Classification Manual, 1972 Edition*, pp. 295-334.

Economists and others often make the distinction between service- and goods-producing sectors of the economy. The services industry is included in the service-producing sector along with the other service-producing industries: transportation, communication, and public utilities; trade; and finance, insurance, and real estate. Government employment may be considered part of the service-producing sector or it may be viewed separately.

As one of the service-producing industries, employment in services generally rides the coattails of activity in "basic" or goods-producing firms. Workers in a plant manufacturing aircraft engines, for example, support area establishments providing health, personal, and auto repair services. In Arizona, however, because of the importance of tourism, many service-producing industries also "import dollars" in the same way as the export of manufactured products. The hotel/motel industry could be considered, at least in part, to be a basic industry since it provides more jobs and dollars than would be necessary to support the local population.

The services industry consists of a wide range of firms (as described in the industry description on page 1) that attempt to meet the needs of the resident and nonresident population. Firms rendering health services employ more than 80,000 people or nearly 30 percent of all services employment and, based on employment, represent the state's largest service industry. Hospitals account for 60 percent of health services employment and are followed by physicians' offices (13 percent) and nursing and personal care facilities (10 percent).

FIGURE 2: EMPLOYMENT DISTRIBUTION IN ARIZONA'S SERVICES INDUSTRY - 1984



The second largest service industry, business services, employed 61,000 in 1984, and is dominated by temporary-help services, such as manpower pools, labor pools, and modeling services. Although temporary-help agencies employ a relatively large number of workers, it is important to remember that the labor pool placed in temporary jobs is included on the payroll of the agencies. Most of the larger employment agencies specialize in placing medical workers. Also prominent in the business services category are firms that provide cleaning and maintenance services to buildings and dwellings and those providing computer and data processing services.

Rounding out the state's three largest service industries based on employment is the hotel and motel industry with employment of nearly 28,000 in 1984.

Heavily dependent upon the needs of the local community one would expect that the geographic distribution of Arizona's services employment and population is similar. In reality, however, a greater concentration of service workers is employed in Maricopa County which, in addition to being a regional service center, is disproportionately represented by firms providing business and health services. Evidence of this can be seen in figure 6 which reveals much about the nature of service industries in Arizona. By reading down a column for any county, the table indicates the relative size of each industry component by providing the number of employees in the industry per 1,000 population. In Coconino County, for example, the table indicates the prominence of the hotel/motel industry followed by social services and membership organizations. Reading across, the indices indicate that the ratio of hotel/motel

FIGURE 3 GEOGRAPHIC DISTRIBUTION OF ARIZONA'S SERVICES EMPLOYMENT, 1984

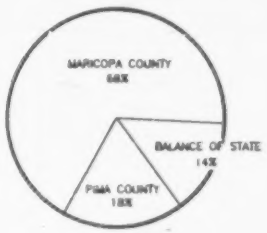


FIGURE 4: SERVICES EMPLOYMENT PER 1,000 POPULATION
- AN EMPLOYMENT INDEX BY COUNTY, 1984 -

INDUSTRY / COUNTY	APACHE	COCHISE	COCONINO	GILA	GRAHAM/GREEN.	LA PAZ	MARICOPA	PINAL	NAVAJO	PIMA	PIMA	SANTA CRUZ	YAVAPAI	YUMA
HOTELS/MOTELS	5	5	39	8	5	6	9	15	6	7	4	16	5	5
PERSONAL SERVS.	1	2	5	1	5	*	6	2	1	5	1	1	2	5
BUSINESS SERVS.	1	5	5	5	5	1	29	5	2	14	1	6	2	6
AUTO REPAIR	*	1	5	1	1	1	5	2	1	4	1	2	1	5
MISC. REPAIR	*	*	1	*	1	*	2	1	1	1	1	*	1	1
MOTION PICTURES	1	*	1	*	1	1	1	*	*	*	*	*	*	1
AMUSE. & REC.	1	2	10	1	*	1	5	4	5	6	2	7	5	5
HEALTH SERVS.	20	10	17	19	14	8	31	18	15	30	10	11	22	17
LEGAL SERVS.	1	1	1	1	*	*	4	1	*	3	*	1	1	1
SOCIAL SERVS.	10	3	20	5	2	9	5	3	11	8	12	1	4	4
MUSEUMS, ETC.	*	*	1	*	*	*	*	*	*	*	*	1	*	*
MEMBERSHIP ORG.	47	2	15	18	*	24	2	3	45	4	6	1	2	1

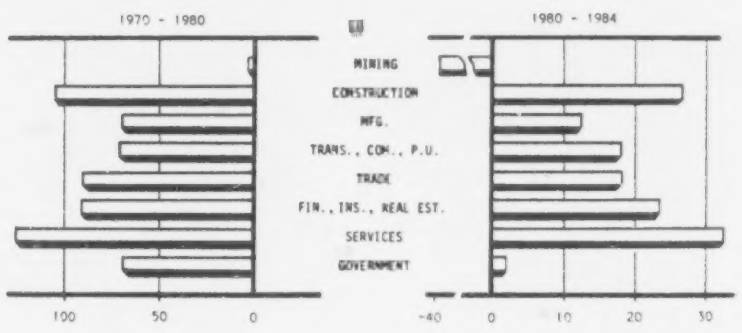
employment to population in Coconino County is much greater than that for any other county.

Of the 60,000 firms doing business in Arizona, 20,000 are engaged in providing services. This is compared to the trade industry which follows with approximately 13,000 firms. Most firms providing services are small--employing less than 10 employees. The few firms that employ more than 1,000 persons are mostly hospitals and national or regional headquarters of hotel/motel chains.

INDUSTRY TRENDS

In the decade of the 70s, services employment more than doubled and now accounts for more than 23 percent of all Arizona workers--up from 17 percent in 1970 and 20 percent in 1980. Such growth, combined with rapid expansion in the trade and finance, insurance, and real estate industries, reflects the continuing evolution of our economy into one that is primarily service-producing rather than goods-producing.

FIGURE 5: EMPLOYMENT CHANGE (PERCENT) IN ARIZONA'S INDUSTRIES



This evolution mirrors, to a large degree, changes that are occurring nationally and in other industrialized countries. Evident since the Great Depression, the shift of U.S. employment to the service sector came primarily during the decades following World War II. Demand for consumer goods in the wake of the depression and the war spawned an economy in which one worker in three was employed in manufacturing--a ratio that declined to one in five by 1983. U.S. employment in the service sector rose 16.7 million between 1972 and 1983 while goods-producing industries lost 274,000 workers.

Partially the result of employment losses in manufacturing, agriculture, and mining, the dramatic shift of employment to service-producing industries moreover reflects the sector's rapid growth to meet the demands of a changing society. It has been influenced by such factors as the increased demand for consumer services previously produced outside the measured market economy, the increased demand for leisure goods and services, shifts from internal to external sources for business services, i.e., marketing and accounting, and the increasing importance of the service sector in U.S. international trade.

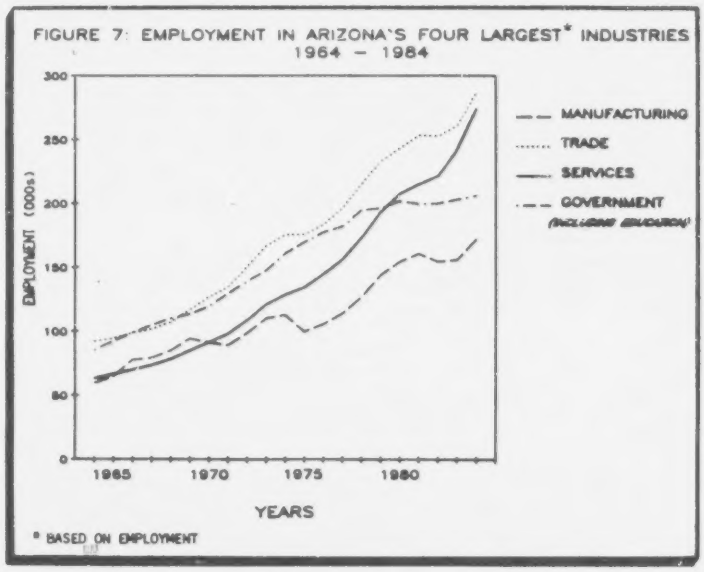
Expansion in the service sector is as much a result of the changing composition of the labor force as it is of the general increase in the demand for services. Since 1950, three of every five new workers have been women. Many of these women found employment in the rapidly expanding services industry which has, over the past two decades, created 86 percent of all new jobs in the U.S. economy. Greater participation by women in the workplace has created a greater demand for consumer and social services such as day care. Concurrently, the resulting increases in family incomes have allowed a greater percentage of that income to be spent on leisure, recreation, education, and other life-style needs as opposed to basic necessities.

FIGURE 6: U.S. EMPLOYMENT IN GOODS- AND SERVICE-PRODUCING INDUSTRIES, 1929 AND 1985

Industry	1985 Employment (000s)	Percent Distribution 1929	Percent Distribution 1985
Goods-Producing Sector	23,394	46.75	25.08
Mining	687	4.5	1.1
Construction	3,940	3.2	4.4
Manufacturing	18,497	39.0	20.5
Service-Producing Sector	66,744	53.3	74.0
Transportation/Public Util.	4,058	14.6	5.6
Trade	20,806	16.3	23.1
Wholesale	5,259	---	5.8
Retail	15,545	---	17.2
Finance, Insurance, and Real Estate	5,487	4.3	6.1
Services	19,066	6.5	21.0
Government	15,851	9.5	17.6
Total	90,138	100.00	100.00

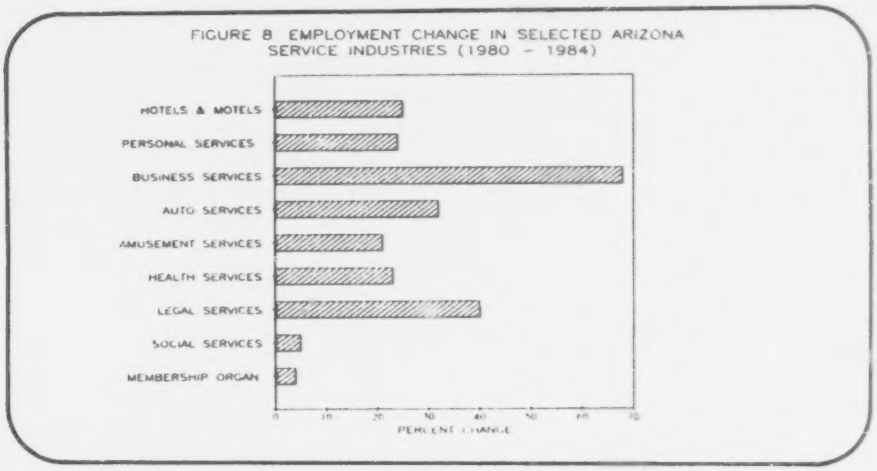
NOTE: Detail may not add up to totals due to rounding

In Arizona, services employment has been increasing faster than any other industry category. Less vulnerable than goods-producing industries to fluctuations in the national economy, employment in services has shown year-to-year increases even during economic downturns. The industry's rapidly expanding share of Arizona employment, which now stands at 23 percent, is all the more remarkable against an economic backdrop in which nearly all major industry categories are expanding. The relative prominence of Arizona's service industry is not being bolstered by declining manufacturing employment, as is the case nationally. Although the goods-producing industries of agriculture and mining have lost employment locally, manufacturing employment has, over the years, expanded substantially.



Although "robust" might be used to describe growth of the services industry in Arizona, the description seems understated when applied to activity in business services. Expanding nearly 70 percent in four years (as compared to 31 percent in all service industries), firms that provide business services created nearly 25,000 new jobs between 1980 and 1984. Most notable in the business services group are temporary help supply services whose employment more than doubled in the four-year period ending in 1984. Employing 5,300 in 1980, firms that provide personnel supply services employed nearly 13,000 four years later. These firms provide help, usually temporary, on a contract basis to other businesses. The help supplied is under the direction or general supervision of the business to whom the help is furnished; however, the help is always on the payroll of the supplying establishment.

FIGURE 8 EMPLOYMENT CHANGE IN SELECTED ARIZONA SERVICE INDUSTRIES (1980 - 1984)



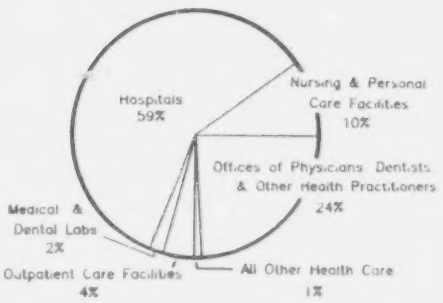
Once predominately active in medical and clerical services, personnel supply agencies are providing an ever-increasing variety of occupational skills to companies and firms that wish to benefit from not employing their own workers. These benefits include a reduction of paperwork and flexibility in responding to fluctuating personnel requirements resulting from cyclical business patterns. Also boosting demand, according to Jeannie Love of Manpower Temporary Services in Phoenix, is the effect of technology in the workplace. "Manpower Temporary Services," according to Love, "provides a growing number of trained workers to employers who have recently installed sophisticated office equipment. Rather than train staff to use this equipment, employers often choose to contract for workers who already have the necessary skills."

The outlook for firms providing personnel supply services is for continued strong growth. Optimism resulting from the prospects of continued prosperity must be tempered, however, by the potential ramifications of an economic downturn on a working population that has an untraditional attachment to jobs and employers.

Other types of business services that have registered strong employment gains in recent years are research and development laboratories and firms that provide computer and data processing services, equipment and leasing services, direct mail advertising services, and management, consulting, and public relations services.

As the largest service industry in Arizona, health services has a profound impact on the labor market in the state. This sector's greatest share of employment is employed in hospitals while most of the balance is distributed to physicians' and dentists' offices, and nursing and outpatient care facilities. For the period 1980-1984, health services employment in Arizona expanded 23 percent and added more than 15,000 new jobs to its ranks. Although hospitals provided the greatest number of job opportunities, its rate of employment growth during the period trailed that of most other health services providers. Registering strong growth in recent years are outpatient care facilities and those rendering nursing and personal care. This trend is expected to continue as the role of hospitals and their relationship with other health providers is redefined by prevailing social and economic forces. Many industry representatives and analysts observe that hospitals are becoming more acute care oriented. The continued growth of walk-in surgical centers, extended and out-patient care facilities, and home health-care providers represents both a cause and result of the greater emphasis that hospitals are placing on acute care.

FIGURE 9: EMPLOYMENT DISTRIBUTION IN ARIZONA'S HEALTH SERVICES INDUSTRY - 1984



Like hospitals, the hotel/motel industry is in an era of significant change as more large corporations, chain organizations, and franchise operations increase their share of the market. Since 1980, the number of hotels and motels in Arizona that have payrolls increased little more than 1 percent annually while employment in these establishments showed yearly increases of about 6 percent. The marginal increase in the number of lodging places is in contrast to actual year-to-year declines that were registered in the late 1970s. Still, the trend is to large hotels and resorts that in some cases replace smaller units.

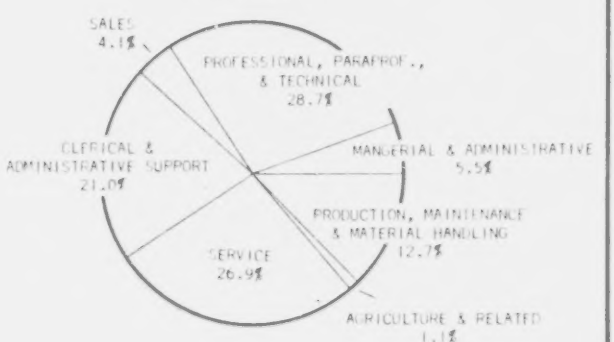
Not all service industries experienced the rapid employment increases that typify the service sector as a whole. Registering only slight increases were noncommercial museums, galleries and gardens; non-government providers of social services; and membership organizations.

With nearly 3,000,000 residents, Arizona's population has increased at a 3.4 percent annual growth rate over the last ten years. Annual employment increases averaging over 4 percent and growth in personal income of more than 12 percent over the last decade reflect an expanding and vibrant economy. Projected personal income statistics released recently by the Bureau of Economic Analysis, U.S. Department of Commerce, echo the predictions of other analysts in their forecasts of continued growth in personal income for Arizona's residents. Although predictions vary, they consistently rank Arizona above all or most other states based on anticipated personal income growth. Fostered by such expansion, employment in the state's services industry is predicted to increase nearly 25 percent, or 160,000, between 1984 and 1988.

OCCUPATIONAL ANALYSIS

Representing firms that engage in such diverse activities as advertising, computer programming, clock repair, and karate instruction, the services industry is comprised of workers with a variety of skills and talents. The greatest share of these workers is employed in the rapidly expanding professional and technical category. Accounting for more than one worker in four, this occupational group reflects the breadth of the industry's services. Although employment of registered nurses (14,153), licensed practical nurses (4,964), and physicians and surgeons (4,103) rank highest, the professional workers category includes everything from music directors (12) to embalmers (68).

FIGURE 10: OCCUPATIONS IN ARIZONA'S SERVICES INDUSTRY MAY 1984



As shown in figure 10, the second largest share of workers in the service *industry* is categorized in service *occupations*, i.e., those who provide personal, protective, and cleaning services. Occupations in this category with the greatest employment are janitors and cleaners (7,900); maids and housekeeping cleaners (7,493); and nursing aides, orderlies, and attendants (6,649).

Clerical workers constitute the third largest occupational group. Common to nearly all firms, these workers numbered more than 53,000 in May 1984--led by secretaries (7,125), general office clerks (5,960), and bookkeeping, accounting, and auditing clerks (5,883).

Representing some of Arizona's fastest growing industries, firms that render services are expected to increase their employment nearly 60,000 between 1984 and 1988. The kinds of workers needed will depend on the interplay of demographic, economic, social, and technological factors and the resulting demand for services.

Expansion in health and business services has contributed to strong demands for a variety of professional and technical occupations ranging from accountants to x-ray technicians. In fact, since this study of services was first conducted in 1978, professional and technical workers have dramatically increased their share of total industry.

FIGURE 11: PROFESSIONAL AND TECHNICAL OCCUPATIONS IN ARIZONA'S SERVICES INDUSTRY MAY 1984

Occupation	Employment
Registered Nurse	14,153
General Managers & Top Execs.	5,229
Licensed Practical Nurses	4,964
Physicians & Surgeons	4,103
Accountants & Auditors	3,170
Lawyers	3,027

Registered nurses, with employment of more than 14,000, represent the industry's most numerically prominent professional occupation. Although most are employed in hospitals, registered nurses will find an increasing number of job opportunities outside the hospital environment--in walk-in surgical centers, freestanding emergency centers, and home-health systems, for example. In fact, the organizational structuring of the health industry is regarded by many as revolutionary. Forces to expand the health industry by a growing and aging population, for example, will be concurrent with broad based cost containment efforts. The challenge to provide more care for less money will result in changing reimbursement mechanisms and health services delivery systems as is evidenced by rising enrollments in health maintenance organizations (HMOs); growing acceptance of Individual Practice Associations (IPAs); and prospective payment systems.

In competition for the health care dollar, new services such as birthing and diagnostic imaging centers, and the movement to preventive health care represent only some of the many changes that are providing new employment settings and job opportunities. For example, a growing proportion of physicians, dentists, and other practitioners will take salaried positions in health maintenance organizations and corporations rather than establish individual practices. The trend is in the opposite direction for many traditionally salaried workers, such as nurses and therapists, who are increasingly entering private practice. Also on the horizon are more employment opportunities in such varied settings as hospitals, adult day care programs, group homes, and wellness centers.

In addition to the health services industry, professional and technical workers are concentrated in such rapidly growing business services industries as data processing, engineering, legal, and management consulting. Since 1978, employment of those providing management, consulting, and public relations services has more than doubled. Services provided by these firms include, for example, management of a physician's business and financial affairs, and consulting services such as business analysis, city planning, marketing research, site location, and lobbying.

FIGURE 12: OCCUPATIONS IN ARIZONA'S BUSINESS SERVICES INDUSTRY, MAY 1984

Occupation	Employment
Janitors & Cleaners	5,352
Guards & Watch Guards	4,150
General Office Clerk	2,420
General Managers & Top Execs.	2,119
Secretaries	2,099
Misc. Helpers & Laborers	1,937
Bookkeeping, Accounting, & Auditing Clerks	1,764

With employment of only 2,000, firms providing research and development services have, nonetheless, distinguished themselves by quadrupling their total employment between 1978 and 1984. Laboratories in this industry work on a contract or fee basis to conduct agricultural, chemical, and engineering research and to develop computer hardware. Because of the technical nature of their work, research and development firms generally employ many highly educated personnel, such as engineers, computer specialists, and scientists.

Although not expanding as rapidly as professional and technical occupations, service workers will provide the greatest number of job opportunities. Occupations in this category reflect the prominence of the state's lodging industry. In fact, of every three employed in Arizona's lodging industry, two are service workers. Numerically prominent service workers include maids and housekeeper cleaners (7,493) and food and beverage service occupations such as waiters and waitresses (5,053). Also concentrated in lodging are the service industry's 2,000 dining room and cafeteria attendants and 3,000 cooks.

FIGURE 13: OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S LODGING INDUSTRY MAY 1984

Occupation	Employment
Maids & Housekeeping Cleaners	5,136
Waiters & Waitresses	3,867
Hotel Desk Clerks	1,817
Dining Room/Cafeteria Attds.	1,515
Restaurant Cooks	1,317
Food Preparation Workers	1,284
Maintenance Repairers, General Utility	914

Job opportunities for these and other workers in the lodging industry will continue to be plentiful. Employment in hotels, motels, and other lodging facilities is predicted to increase approximately 24 percent between 1984 and 1988. Much of this growth will result from expansion of the state's economy and the maturation of Phoenix and Tucson as regional economic centers. Cecil Ravenswood, general manager at The Arizona Biltmore, observes that the state's expanding and diversifying economy has brought an entirely new clientele to the state. "Once almost exclusively a resort destination, Arizona now hosts a large and growing number of business travelers" says Ravenswood, who cites registrations for a day in February which indicate that 8 of 10 guests at the Biltmore were business travelers.

Also boosting employment in the lodging industry will be continued recognition of the state's recreational and leisure opportunities. To accommodate more leisure and business travellers, the industry is expected to total 35,000 in 1988. In addition to the openings resulting from industry growth, these and many other service occupations are characterized by higher-than-average replacement needs as workers transfer to other occupations, assume full-time household responsibilities, return to school, or stop working for other reasons.

In the personal services category, employment of hairdressers, hairstylists, and cosmetologists dominate with employment of nearly 5,000. Employment of these workers will be boosted by the growing number of middle-age persons who are the primary users of cosmetology services and the rising number of working women. Population expansion and the increasing popularity of hairstyling among men will reverse sagging employment of barbers. Those who specialize in hair styling will continue to be in stronger demand than barbers who offer conventional services.

FIGURE 14: OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S SERVICES INDUSTRY

	Employment 1984	Job Openings* 1984-1988
Registered Nurses	14,153	5,095
Janitors & Cleaners, Exc. Maids & Housekeeping	7,900	3,643
Maids & Housekeeping Cleaners	7,493	3,438
Secretaries	7,125	3,326
Nursing Aides, Orderlies, & Attendants	6,649	2,539
General Office Clerks	5,960	2,661
Bookkeeping, Accounting, & Auditing Clerks	5,883	2,546
General Managers & Top Executives	5,229	1,935
Guards & Watch Guards	5,104	1,771
Waiters & Waitresses	5,053	2,390
Receptionists & Information Clerks	5,030	2,091
Licensed Practical Nurses	4,964	2,000
Hairdressers, Hairstylists, & Cosmetologists	4,868	2,715
Physicians & Surgeons	4,103	1,214
Accountants & Auditors	3,170	1,259
Lawyers	3,027	1,189
Food Preparation Workers	2,851	1,075
Maintenance Repairers, General Utility	2,776	834
Automotive Mechanics	2,614	934
Legal Secretaries	2,539	1,329
Drafters	2,382	884
Cashiers	2,361	1,034
Teachers, Preschool & Kindergarten	2,148	995
First Line Supr. - Clerical & Admin. Support	2,109	705
Data Entry Keyers, Excluding Composing	2,094	678
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	2,075	595
Typists	2,042	895
Counter & Rental Clerks	2,035	1,043
Gardeners & Groundskeepers, Exc. Farm	2,035	858
Laundry/Dry Cleaning Mach. Opers., Exc. Pressing	1,958	651
Financial Managers	1,916	600
Medical Assistants	1,856	681
Interviewing Clerks, Exc. Personnel & Welfare	1,839	732
Hotel Desk Clerks	1,817	812
Dental Assistants	1,796	760

* Does not include turnover.

FIGURE 15: OCCUPATIONS WITH THE GREATEST EMPLOYMENT AND JOB OPENINGS IN SERVICES

LARGEST OCCUPATIONS BY COUNTY	ESTIMATED 1984 EMPLOYMENT	PCT. OF COUNTY TOTAL	HIGHEST DEMAND OCCUPATIONS 1984-1988	ESTIMATED OPENINGS 1984-1988
APACHE				
Secretaries	264	7.0%	Secretaries	108
Teacher Aides & Ed. Assistants	147	3.9	Teacher Aides & Ed. Assistants	52
Social Workers, Exc. Med./Psych.	103	2.7	Dietetic Technicians	37
Dietetic Technicians	99	2.6	Social Workers, Exc. Med./Psych.	36
Bookkeeping/Account/Audit Clerks	85	2.3	Typists	36
COCHISE				
Registered Nurses	159	6.8%	Engineers	66
Nursing Aides/Orderlies/Attend.	120	5.1	Registered Nurses	53
Engineers	95	4.0	Nursing Aides/Orderlies/Attend.	45
Waiters & Waitresses	87	3.7	Waiters & Waitresses	32
Maids & Housekeeping Cleaners	76	3.2	Maids & Housekeeping Cleaners	29
COCONINO				
Maids & Housekeeping Cleaners	646	8.5%	Maids & Housekeeping Cleaners	275
Waiters & Waitresses	486	6.4	Waiters & Waitresses	197
Hotel Desk Clerks	261	3.4	Hotel Desk Clerks	103
Food Preparation Workers	239	3.1	Food Preparation Workers	83
Janitors & Cleaners, Exc. House.	206	2.7	Janitors & Cleaners, Exc. House.	76
GILA				
Maids & Housekeeping Cleaners	124	6.5%	Maids & Housekeeping Cleaners	51
Licensed Practical Nurses	114	5.9	Licensed Practical Nurses	38
Nursing Aides/Orderlies/Attend.	92	4.8	Nursing Aides/Orderlies/Attend.	35
Waiters & Waitresses	74	3.9	Waiters & Waitresses	28
Typists	62	3.2	Typists	26
GRAHAM & GREENLEE				
Nursing Aides/Orderlies/Attend.	65	9.6%	Nursing Aides/Orderlies/Attend.	23
Maids & Housekeeping Cleaners	52	7.7	Maids & Housekeeping Cleaners	16
Registered Nurses	51	7.6	Registered Nurses	16
Hairdressers & Cosmetologists	26	3.9	Hairdressers & Cosmetologists	10
General Office Clerks	21	3.1	Licensed Practical Nurses	4
LA PAZ				
Secretaries	24	4.9%	Secretaries	7
Teacher Aides & Ed. Assistants	22	4.5	Teacher Aides & Ed. Assistants	7
Waiters & Waitresses	19	3.9	Maids & Housekeeping Cleaners	6
Maids & Housekeeping Cleaners	18	3.7	Teachers, Preschool & Kinder.	4
Maintenance Repairers, General	17	3.5	Waiters & Waitresses	4
MARICOPA				
Registered Nurses	9,412	5.5%	Registered Nurses	3,441
Janitors & Cleaners, Exc. House.	5,392	3.1	Janitors & Cleaners, Exc. House.	2,459
Secretaries	4,856	2.8	Secretaries	2,348
General Office Clerks	4,354	2.5	General Office Clerks	2,047
Bookkeeping/Account/Audit Clerks	4,346	2.5	Bookkeeping/Account/Audit Clerks	1,981

FIGURE 15: OCCUPATIONS WITH THE GREATEST EMPLOYMENT AND JOB OPENINGS IN SERVICES

LARGEST OCCUPATIONS BY COUNTY	ESTIMATED 1984 EMPLOYMENT	PCT. OF COUNTY TOTAL	HIGHEST DEMAND OCCUPATIONS 1984-1988	ESTIMATED OPENINGS 1984-1988
MOHAVE				
Maids & Housekeeping Cleaners	331	11.8%	Maids & Housekeeping Cleaners	138
Hotel Desk Clerks	123	4.4	Hotel Desk Clerks	49
Waiters & Waitresses	120	4.3	Waiters & Waitresses	45
Registered Nurses	94	3.4	Registered Nurses	31
Licensed Practical Nurses	83	3.0	Licensed Practical Nurses	28
NAVAJO				
Maids & Housekeeping Cleaners	200	4.6%	Maids & Housekeeping Cleaners	82
Maintenance Repairers, General	151	3.5	Switchboard Operators	62
Teacher Aides & Ed. Assistants	131	3.0	Teacher Aides & Ed. Assistants	45
Secretaries	114	2.6	Waiters & Waitresses	41
Waiters & Waitresses	104	2.4	Secretaries	37
PIMA				
Registered Nurses	3,309	7.0%	Registered Nurses	1,182
Janitors & Cleaners, Exc. House.	1,807	3.8	Janitors & Cleaners, Exc. House.	948
Nursing Aides/Orderlies/Attend.	1,634	3.4	Maids & Housekeeping Cleaners	717
Maids & Housekeeping Cleaners	1,384	2.9	Secretaries	673
Secretaries	1,333	2.8	Hairdressers & Cosmetologists	660
PINAL				
Registered Nurses	140	5.7%	Registered Nurses	46
Maids & Housekeeping Cleaners	101	4.1	Counter & Rental Clerks	45
Secretaries	86	3.5	Maids & Housekeeping Cleaners	38
Waiters & Waitresses	83	3.4	Waiters & Waitresses	32
Counter & Rental Clerks	61	2.5	Hairdressers & Cosmetologists	27
SANTA CRUZ				
Maids & Housekeeping Cleaners	77	7.4%	Inspectors, Testers, & Related	49
Registered Nurses	68	6.5	Maids & Housekeeping Cleaners	34
Inspecters, Testers, & Related	60	5.7	Hand Packers & Packagers	23
Waiters & Waitresses	54	5.2	Registered Nurses	21
Gardeners & Groundskeepers	39	3.7	Waiters & Waitresses	19
YAVAPAI				
Registered Nurses	230	8.4%	Registered Nurses	78
Maids & Housekeeping Cleaners	183	6.7	Maids & Housekeeping Cleaners	72
Nursing Aides/Orderlies/Attend.	136	5.0	Nursing Aides/Orderlies/Attend.	50
Receptionists & Info. Clerks	101	3.7	Receptionists & Info. Clerks	41
Secretaries	73	2.7	Hairdressers & Cosmetologists	32
YUMA				
Registered Nurses	204	5.4%	Guards & Watch Guards	75
Maids & Housekeeping Cleaners	185	4.9	Maids & Housekeeping Cleaners	72
Nursing Aides/Orderlies/Attend.	161	4.3	Registered Nurses	68
Licensed Practical Nurses	152	4.0	Nursing Aides/Orderlies/Attend.	60
Guards & Watch Guards	114	3.0	Licensed Practical Nurses	54

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined due to their close proximity, similar economies, and size.

When using the data, please note the following:

1) Services employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2) The data reflect full and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5) The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

6) Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	13,933	5.5	17,117	4,714
Financial Managers	1,916	.8	2,339	600
Personnel, Training, & Labor Relations Mgrs.	364	.1	423	85
Purchasing Managers	149	.1	171	31
Marketing, Advertising, & Public Rel. Mgrs.	765	.3	965	289
Administrative Services Managers	790	.3	973	254
Education Administrators	140	.1	171	42
Medicine & Health Services Managers	1,279	.5	1,457	309
Property & Real Estate Managers & Admin.	16	.0	20	6
Construction Managers	94	.0	121	37
Food Service & Lodging Managers	1,083	.4	1,318	379
General Managers & Top Executives	5,229	2.1	6,574	1,935
All Other Managers & Administrators	2,108	.8	2,585	747
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	73,068	28.7	88,347	25,876
Management Support Occupations	7,472	2.9	9,268	2,748
Credit Analysts	51	.0	65	24
Tax Preparers	415	.2	521	164
Accountants & Auditors	3,170	1.2	3,986	1,259
Budget Analysts	72	.0	82	16
All Other Financial Specialists	186	.1	230	57
Purchasing Agents, Exc. Wholesale, Retail, & Farm	328	.1	392	91
Employment Interviewers	460	.2	589	181
Personnel, Training, & Labor Rel. Specialists	712	.3	869	225
Cost Estimators	135	.1	172	64
Management Analysts	71	.0	93	37
Compliance & Enforcement Inspectors, Exc. Const.	149	.1	172	39
All Other Management Support Workers	1,723	.6	2,097	591
Engineers & Related Occupations	8,678	3.4	11,127	3,165
Engineers	25	.0	28	3
Aeronautical and Astronautical Engineers	70	.0	88	21
Metallurgical & Materials Engineers	35	.0	45	10
Mining Engineers, Incl. Mine Safety	8	.0	9	1
Chemical Engineers	37	.0	46	11
Civil Engineers, Incl. Traffic	917	.4	1,171	377
Agricultural Engineers	119	.0	154	43
Electrical & Electronic Engineers	572	.2	768	225
Industrial Engineers, Exc. Safety	141	.0	177	45
Safety Engineers, Exc. Mining	35	.0	44	11
Mechanical Engineers	390	.2	500	131
All Other Engineers	204	.1	256	62
Architects, Exc. Landscape & Marine	867	.3	1,121	370
Landscape Architects	47	.0	60	18
Surveying & Mapping Scientists	276	.1	347	84
Engineering Technicians & Technologists	186	.1	227	56
Civil Engineering Technicians & Technologists	283	.1	362	115
Electrical/Electronic Engineering Technicians	916	.4	1,172	305
Industrial Engineering Techs.	167	.1	212	62
Mechanical Engineering Techs.	92	.0	113	22
Drafters	2,382	1.0	3,070	884
Surveying & Mapping Techs.	740	.3	943	249
All Other Engineering & Related Technicians	169	.1	214	60
Natural Scientists & Related Workers	818	.3	1,010	251
Physical Scientists	18	.0	20	2
Physicists & Astronomers	42	.0	52	12
Chemists, Exc. Biochemists	58	.0	74	21
Geologists, Geophysicists, & Oceanographers	72	.0	90	19
All Other Physical Scientists	82	.0	99	20
Life Scientists	24	.0	27	4
Agricultural & Food Scientists	28	.0	35	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Biological Scientists	53	.0	60	9
Medical Scientists	43	.0	47	7
Physical & Life Science Technicians	85	.0	99	21
Biological, Agri., & Food Techs., Exc. Health	55	.0	70	20
Chemical Techs., Exc. Health	108	.0	143	46
All Other Physical & Life Science Techs.	150	.1	194	59
Computer, Math, Operations, Research, & Related	2,056	.8	2,608	630
Systems Analysts, Electronic Data Processing	780	.3	992	239
Computer Programmers	985	.4	1,256	312
Computer Programmer Aides	146	.1	184	44
Operations & Systems Analysts, Exc. Computer	53	.0	67	14
Statisticians	53	.0	59	9
Financial Analysts, Statistical	22	.0	30	8
All Other Mathematical Scientists	11	.0	14	4
Mathematical Technicians	6	.0	6	0
Social Scientists & Other Social & Religious Occupations	4,079	1.6	4,888	1,302
Economists, Incl. Market Research Analysts	69	.0	86	24
Urban & Regional Planners	102	.0	122	23
Psychologists	251	.1	282	44
All Other Social Scientists	99	.1	121	26
Social Workers, Medical & Psychiatric	1,239	.5	1,453	416
Social Workers, Exc. Medical & Psychiatric	820	.3	1,007	319
Social Service Technicians	938	.4	1,133	262
Recreation Workers	405	.2	502	146
Clergy	69	.0	77	14
Directors, Religious Activities & Education	44	.0	53	15
All Other Religious Workers	43	.0	52	13
Law & Related Occupations	3,957	1.6	5,061	1,546
Lawyers	3,027	1.2	3,878	1,189
Legal Assistants & Technicians, Exc. Clerical	45	.0	57	22
Law Clerks	198	.1	253	75
Paralegal Personnel	627	.2	802	240
All Other Legal Assistants/Techs., Exc. Clerical	60	.0	71	20
Teachers, Educators, Librarians, & Related Occupations	5,307	2.1	6,643	2,088
Lecturers	52	.0	66	18
Nursing Instructors	150	.1	171	31
Teachers, Preschool & Kindergarten	2,148	.9	2,737	995
Teachers, Elementary School	53	.0	63	17
Teachers & Instructors, Voc. Ed. & Training	328	.1	401	129
Instructors, Nonvocational Education	328	.1	404	98
Instructors & Coaches, Sports & Physical Training	1,404	.6	1,787	523
All Other Teachers & Instructors	269	.1	326	111
Librarians, Professional	61	.0	67	12
Technical Assistants, Library	16	.0	17	2
Curators, Archivists, & Museum Technicians	57	.0	69	19
Vocational & Educational Counselors	311	.1	384	107
Instructional Coordinators	130	.1	151	26
Health Practitioners, Techs., & Related Occupations	36,403	14.3	42,346	12,607
Physicians & Surgeons	4,103	1.6	4,718	1,214
Dentists	960	.4	1,098	227
Optometrists	219	.1	247	56
Podiatrists	37	.0	41	9
All Other Health Diagnosing/Treating Practitioners	74	.0	82	28
Respiratory Therapists	650	.3	745	194
Occupational Therapists	151	.1	168	34
Physical Therapists	505	.2	575	141
Corrective & Manual Arts Therapists	21	.0	22	2
Speech Pathologists & Audiologists	114	.0	128	28

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Recreational Therapists	105	.0	117	25
All Other Therapists	37	.0	41	6
Registered Nurses	14,153	5.6	16,506	5,095
Licensed Practical Nurses	4,964	2.0	5,862	2,000
Emergency Medical Technicians	102	.0	114	33
Physician Assistants	498	.2	563	168
Opticians, Dispensing & Measuring	322	.1	366	86
Pharmacists	434	.2	493	147
Dietitians & Nutritionists	246	.1	275	64
Dietetic Technicians	486	.2	569	176
Medical & Clinical Laboratory Technologists	1,342	.5	1,539	429
Medical & Clinical Laboratory Technicians	966	.4	1,102	262
Dental Hygienists	891	.4	1,022	326
Medical Records Technicians & Technologists	375	.1	422	130
Nuclear Medicine Technologists	191	.1	218	54
Radiologic Technologists	633	.2	721	181
Radiologic Technicians	627	.2	710	170
Electroencephalograph Techs.	52	.0	58	11
Electrocardiograph Techs.	163	.1	184	41
Surgical Technicians	519	.2	593	143
All Other Health Professionals, Paraprofessionals, & Technicians	2,463	1.0	3,047	1,127
Writers, Artists, Athletes, & Related Occupations	2,942	1.2	3,736	1,143
Writers & Editors	180	.1	225	70
Technical Writers	63	.0	81	18
Public Rel. Specialists & Publicity Writers	372	.1	454	123
Reporters & Correspondents	114	.0	152	59
Announcers, Radio & Television	7	.0	7	0
Photographers	293	.1	373	106
Camera Operators, Television & Motion Picture	16	.0	19	3
Artists & Related Workers	448	.2	575	204
Designers, Exc. Interior Designers	408	.2	519	142
Interior Designers	34	.0	43	10
Music Directors, Singers, Composers, & Related	12	.0	12	0
Musicians, Instrumental	544	.2	699	234
Dancers & Choreographers	15	.0	18	7
Producers, Directors, Actors, & Entertainers	241	.1	310	94
Athletes, Coaches, Umpires, & Related Workers	195	.1	249	7
Professional, Paraprofessional, & Technical	1,356	.5	1,660	396
Funeral Directors & Morticians	149	.1	186	47
Embalmers	68	.0	84	21
All Other Professional, Paraprofessional, & Technical Workers	1,139	.4	1,390	328
SALES & RELATED OCCUPATIONS	10,352	4.1	13,116	4,463
First Line Supervisors & Managers/Supervisors	1,125	.4	1,408	419
First Line Supervisors & Managers - Sales	1,125	.4	1,408	419
Sales Occupations, Services	1,608	.6	2,055	698
Sales Agents, Selected Business Services	1,250	.5	1,596	551
Sales Agents, Advertising	79	.0	100	29
All Other Sales Representatives & Salespersons, Service	279	.1	359	118
Merchandise, Products, & Other Sales-Related Occupations	7,619	3.0	9,653	3,346
Sales Engineers	55	.0	68	14
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	286	.1	357	101
Other Sales Representatives, Exc. Retail	504	.2	638	210
Salespersons, Retail	547	.2	666	183
Salespersons, Parts	188	.1	236	67

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Counter & Rental Clerks	2,035	.8	2,664	1,043
Cashiers	2,361	1.0	2,941	1,034
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	321	.1	407	150
Demonstrators, Promoters, & Models	179	.1	232	85
All Other Sales & Related Workers	1,143	.4	1,444	459
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	53,232	21.0	65,434	21,887
First Line Supervisors & Manager/Supervisors	2,109	.8	2,576	705
First Line Supers.-Clerical & Admin. Support	2,109	.8	2,576	705
Industry-Specific Clerical & Administrative Support	3,904	1.5	4,842	1,645
Credit Checkers	65	.1	83	31
Adjustment Clerks	10	.0	12	4
Welfare Eligibility Workers & Interviewers	75	.0	90	24
Investigators, Clerical	260	.1	333	110
Bill & Account Collectors	575	.2	747	258
Travel Clerks	124	.0	150	50
Hotel Desk Clerks	1,817	.7	2,242	812
Library Assistants & Bookmobile Drivers	47	.0	53	7
Teacher Aides & Ed. Assistants, Clerical	914	.4	1,112	345
Proofreaders & Copy Markers	17	.0	20	4
Selected Secretarial & General Office Occupations	36,607	14.4	44,896	15,792
Legal Secretaries	2,539	1.0	3,263	1,329
Medical Secretaries	1,612	.6	1,845	585
Secretaries	7,125	2.8	8,862	3,326
Stenographers	195	.1	234	72
Receptionists & Information Clerks	5,030	2.0	6,086	2,091
Typists	2,042	.8	2,443	895
Typists, Word Processing Equipment	988	.2	1,239	346
Personnel Clerks, Exc. Payroll & Timekeeping	155	.1	172	45
Correspondence Clerks	27	.0	34	12
File Clerks	838	.3	994	361
Order Clerks - Materials, Merch., & Service	255	.1	310	101
Procurement Clerks	82	.0	91	15
Statistical Clerks	341	.1	394	118
Interviewing Clerks, Exc. Personnel & Welfare	1,839	.7	2,280	732
Bookkeeping, Accounting, & Auditing Clerks	5,883	2.3	7,318	2,546
Payroll & Timekeeping Clerks	393	.2	459	106
Billing, Cost & Rate Clerks	1,303	.5	1,499	451
General Office Clerks	5,960	2.4	7,373	2,661
Electronic Data Processing & Other Office Machine Occupations	3,755	1.5	4,647	1,292
Billing, Posting, & Calculating Machine Opers.	283	.1	324	81
Duplicating Machine Operators	128	.1	157	53
Mail Machine Operators, Preparation & Handling	80	.0	99	39
Computer Operators, Exc. Peripheral Equipment	735	.3	906	235
Peripheral EDP Equipment Operators	225	.2	281	105
Data Entry Keyers, Exc. Composing	2,094	.8	2,620	678
Data Keyers, Composing	102	.0	129	51
All Other Office Machine Operators	108	.0	131	50
Communications, Mail, & Message Distributing Occupations	2,352	1.0	2,968	1,149
Switchboard Operators	1,663	.7	2,098	865
Mail Clerks, Exc. Mail Machine Operators & Postal Service	485	.2	614	210
Messengers	204	.1	256	74
Material Distribution & Recording Occupations	2,376	1.0	2,921	794
Dispatchers - Police, Fire, & Ambulance	43	.0	49	10
Dispatchers - Exc. Police, Fire, & Ambulance	113	.0	145	40

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Production, Planning, & Expediting Clerks	189	.1	240	89
Stock Clerks - Stockroom, Warehouse, or Yard	1,418	.6	1,750	479
Traffic, Shipping, & Receiving Clerks	380	.1	461	114
All Other Material Recording/Scheduling/Dist.	233	.1	276	62
All Other Clerical & Administrative Support Occupations	2,129	.8	2,584	510
SERVICE OCCUPATIONS	68,209	26.9	84,229	28,718
First Line Supers. & Mgrs./Supers. - Service	2,538	1.0	3,119	1,014
Housekeepers	949	.4	1,149	332
All Other Service Supervisors & Managers	1,589	.6	1,970	682
Protective Services Occupations	6,230	2.5	8,050	2,262
Detectives & Investigators, Exc. Public	213	.1	264	83
Guards & Watch Guards	5,104	2.0	6,584	1,771
All Other Protective Service Workers	913	.4	1,182	408
Food & Beverage Service Occupations	17,459	6.9	21,430	6,810
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	377	.1	462	161
Bartenders	1,520	.6	1,882	569
Waiters & Waitresses	5,053	2.0	6,305	2,390
Food Servers, Outside	719	.3	858	204
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	2,075	.8	2,563	595
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	700	.3	876	331
Bakers, Bread & Pastry	96	.1	115	34
Butchers & Meat Cutters	19	.0	22	3
Cooks, Restaurant	1,661	.7	2,061	645
Cooks, Institution or Cafeteria	1,076	.4	1,270	332
Cooks, Specialty Fast Food	86	.0	100	19
Cooks, Short Order	149	.1	177	38
Food Preparation Workers	2,851	1.1	3,431	1,075
Combined Food Preparation & Service Workers	113	.0	137	40
All Other Food Service Workers	964	.4	1,171	374
Health Service & Related Occupations	12,590	5.0	14,594	4,738
Dental Assistants	1,796	.8	2,067	760
Medical Assistants	1,856	.7	2,124	681
Nursing Aides, Orderlies, & Attendants	6,649	2.6	7,717	2,539
Home Health Aides	399	.2	494	133
Psychiatric Aides	314	.1	367	119
Physical & Corrective Therapy Assists./Aides	513	.2	588	183
Occupational Therapy Assistants & Aides	248	.1	286	93
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	38	.0	43	9
Pharmacy Assistants	287	.1	325	99
All Other Health Service Workers	490	.2	583	122
Cleaning and Building Service Occupations, Ex. Private Households	16,700	6.6	20,917	7,646
Maids & Housekeeping Cleaners	7,493	3.0	9,101	3,438
Janitors & Cleaners, Exc. Maids & Housekeeping	7,900	3.1	10,119	3,643
Pest Controllers & Assistants	804	.3	1,074	363
All Other Cleaning/Building Service, Exc. Private House	503	.2	623	202
Selected Personal Service Occupations	10,474	4.1	13,337	5,239
Barbers	331	.1	419	139
Hairdressers, Hairstylists, & Cosmetologists	4,858	1.9	6,247	2,715
Manicurists	364	.1	464	196
Shampooers	54	.0	68	27
Amusement & Recreation Attendants	1,486	.6	1,882	605
Guides	50	.0	61	19

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Ushers, Lobby Attendants, & Ticket Takers	515	.2	654	210
Baggage Porters & Bellhops	568	.2	710	181
Wardrobe, Locker, & Dressing Room Attendants	84	.0	106	31
Social Welfare Service Aides	267	.1	330	105
Child Care Workers	1,794	.7	2,281	972
Funeral Attendants	93	.1	115	39
All Other Service Occupations	2,218	.9	2,782	1,009
AGRICULTURAL, FORESTRY, FISHING, & RELATED OCCUPATIONS	2,672	1.1	3,309	1,085
Gardeners & Groundskeepers, Exc. Farm	2,035	.8	2,524	858
Animal Caretakers, Exc. Farm	198	.1	247	83
All Other Agri., Forestry, Fishing, & Related	439	.2	538	144
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	32,240	12.7	40,464	11,189
First Line Supervisors & Manager-Production & Related	1,708	.7	2,101	592
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	956	.4	1,189	347
First Line Managers/Supervisors - Construction Trades & Extraction Workers	246	.1	299	68
First Line Mgrs./Supers. - Production & Opers.	37	.0	47	12
First Line Mgrs./Supers. - Transport. Operatives	85	.0	99	24
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	384	.2	467	141
Inspectors & Related Occupations	1,068	.4	1,386	441
Precision Inspectors, Testers, & Graders	770	.3	990	310
Production Inspectors, Testers, & Graders	154	.1	194	55
All Other Inspectors, Testers, & Related	144	.0	202	76
Mechanics, Installers, & Repairers	10,001	3.9	12,548	3,327
Machinery Maintenance Mechanics	57	.1	66	11
Maintenance Repairers, General Utility	2,776	1.1	3,403	834
Automotive Mechanics	2,614	1.0	3,335	934
Automotive Body & Related Repairers	909	.4	1,160	334
Bus & Truck Mechs., & Diesel Eng. Specialists	370	.1	472	129
Mobile Heavy Equip. Mechanics, Exc. Engines	22	.0	28	6
Small Engine Specialists	78	.0	97	23
All Communication Equipment Mechanics/ Installers/Repairers	2	.0	2	0
Data Processing Equipment Repairers	132	.1	168	42
Electronic Home Entertainment Equip. Repairers	185	.1	234	59
Electric Home Appliance & Power Tool Repairers	197	.1	248	71
Electric Motor, Transformer, & Rel. Repairers	247	.1	318	93
Electronics Repairers, Commercial & Ind. Equip.	71	.0	90	22
All Other Electrical Mechs./Installers/Repairers	279	.1	361	101
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	420	.2	520	134
Precision Instrument Repairers	61	.0	76	19
Electromedical & Biomedical Equip. Repairers	51	.0	56	8
Camera & Photographic Equipment Repairers	18	.0	20	3
Watchmakers	13	.0	15	2
Locksmiths & Safe Repairers	132	.1	170	49
Office Machine & Cash Register Servicers	26	.0	32	7
Coin & Vending Machine Servicers & Repairers	75	.0	93	23
Tire Repairers & Changers	129	.1	164	49
Menders - Garments, Linens, & Related	44	.0	51	10
All Other Mechanics, Installers, & Repairers	1,093	.4	1,369	364
Construction Trades & Extractive Occupations, Ex. Material Moving	1,431	.6	1,739	412
Carpenters	340	.1	404	92
Electricians	260	.1	314	71

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
Painters & Paperhangers - Construction & Maintenance	180	.1	216	51
Plumbers, Pipefitters, & Steamfitters	155	.1	185	40
Septic Tank Servicers & Sewer Pipe Cleaners	60	.0	72	18
All Other Construction Trades Workers	25	.0	27	3
All Other Extraction Workers, Exc. Helpers	411	.2	521	137
Precision Production Occupations	1,850	.7	2,270	627
Precision Instrument Makers	44	.0	56	19
Machinists	152	.1	185	43
Tool Grinders, Filers, Sharpeners (Precision)	51	.0	65	19
All Other Precision Metal Workers	16	.1	20	5
Furniture Finishers	11	.0	13	2
All Other Precision Woodworkers	21	.0	25	5
Custom Tailors & Sewers	89	.1	108	31
Upholsterers	337	.0	431	143
Spotters, Dry Cleaning	79	.0	100	33
Pressers, Delicate Fabrics	165	.1	209	64
All Other Precision Textile & Apparel Workers	32	.0	40	11
All Precision Printing Workers	6	.0	7	1
Precision Photographic Process Workers	81	.0	100	28
Precision Dental Laboratory Technicians	421	.2	483	114
All Other Precision Workers	345	.1	428	109
Machine Setters, Operatives, & Tenders	4,594	1.8	5,772	1,650
Machine Forming Operators & Tenders - Metal & Plastic	49	.0	62	18
Offset Litho. Press Setters & Set-Up Opers.	53	.0	66	20
Printing Press Machine Operators & Tenders	121	.0	158	48
Photoengraving & Lithographing Machine Opers.	127	.1	161	48
Bindery Machine Operators	44	.0	55	15
Sewing Machine Operators, Garment	52	.0	67	21
Sewing Machine Operators, Non-Garment	45	.0	56	15
Laundry/Drycleaning Mach. Opers., Exc. Pressing	1,958	.8	2,431	651
Pressing Machine Opers. - Textile & Garments	432	.2	549	173
Motion Picture Projectionists	139	.1	172	60
Photographic Processing Mach. Opers. & Tenders	475	.2	607	186
Boiler Operators & Tenders, Low Pressure	11	.0	11	0
Painters, Transportation Equipment	156	.1	200	61
Packaging & Filling Machine Opers. & Tenders	52	.0	65	18
All Other Machine Setters, Operatives, & Tenders	880	.1	1,112	316
Hand Working Occupations, Inc. Assemblers & Fabricators	2,024	.8	2,582	761
Welders & Cutters	239	.1	298	75
Pressers, Hand	100	.0	127	37
Sewers, Hand	26	.0	30	5
Painting, Coating, & Decorating Workers, Hand	122	.0	156	43
Engraving & Printing Workers, Hand	51	.0	64	15
All Other Hand Workers	1,486	.6	1,907	586
Plant & System Occupations	125	.0	144	30
Stationary Engineers	90	.0	102	21
All Other Plant & System Operators	35	.0	42	9
Transportation & Material Moving Machine & Vehicle Operators	3,674	1.4	4,591	1,184
Truck Drivers, Light - Incl. Delivery & Route	1,678	.6	2,115	543
Bus Drivers	176	.1	206	46
Bus Drivers, School	127	.1	155	39
Taxi Drivers & Chauffeurs	96	.0	111	25
Driving Sales Workers	285	.1	368	98
All Other Motor Vehicle Operators	299	.1	357	71
Service Station Attendants	228	.1	290	86
Parking Lot Attendants	140	.1	175	44

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

ARIZONA (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PERCENT OF MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	TOTAL JOB OPENINGS 1984-1988
All Other Transportation & Related Workers	50	.0	61	13
Industrial Truck & Tractor Operators	183	.1	232	62
All Other Transportation & Moving Equip. Operators	406	.2	514	136
All Other Material Moving Equipment Operators	6	.0	7	1
Helpers, Laborers, & Material Movers, Hand	5,765	2.3	7,331	2,185
Mechanic & Repairer Helpers	239	.1	301	83
Machine Feeders & Offbearers	81	.0	103	29
Freight, Stock, & Material Movers, Hand	590	.2	739	203
Hand Packers & Packagers	178	.1	240	79
Vehicle Washers & Equipment Cleaners	1,369	.5	1,760	548
All Other Helpers & Laborers	3,308	1.3	4,188	1,243
TOTAL ALL OCCUPATIONS	253,706	100.0	312,016	97,932

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Compliance & Enforce. Inspectors, Exc. Const.

All Other Engineers
Nuclear Engineers

All Other Physical & Life Science Techs.
Nuclear Technicians & Technologists

All Other Mathematical Scientists
Actuaries

All Other Professional, Paraprofessional, & Technical Workers
Broadcast Technicians
Film Editors

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Advertising Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Machinery Maintenance Mechanics
Machinery Maintenance Mechs., Marine Equip.

All Other Precision Metal Workers
Precision Hand Workers, Jewelry & Related
Boilermakers

All Other Precision Woodworkers
Cabinetmakers & Bench Carpenters

All Other Precision Textile & Apparel Workers
Shoe & Leather Workers & Repairers - Precision
Precision Dyers

All Precision Printing Workers
Precision Compositors/Typesetters/Arrangers

All Other Precision Workers
Medical Appliance Makers

All Other Machine Setters, Set-Up Operators, Operators, & Tenders
Furnace, Kiln, Oven, Drier, or Kettle Opers.
Coating & Painting Machine Set-Up Operators
Coating, Painting, & Spraying Machine Opers.

All Other Hand Workers
Solderers & Brazers

All Other Transportation & Related Workers
Aircraft Pilots & Flight Engineers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

APACHE COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	149	168	19	12	31
Financial Managers	11	12	1	0	1
Administrative Services Managers	12	13	1	0	1
Medicine & Health Services Managers	11	11	0	0	0
Food Service & Lodging Managers	8	9	1	1	2
General Managers & Top Executives	24	27	3	1	4
All Other Managers & Administrators	83	96	13	10	23
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,709	1,987	278	203	481
Accountants & Auditors	86	101	15	12	27
Budget Analysts	17	20	3	2	5
All Other Financial Specialists	1	1	0	0	0
All Other Management Support Workers	433	514	81	60	141
All Engineers	10	11	1	0	1
All Engineering & Related Technicians	61	71	10	5	15
All Physical Scientists	13	15	2	0	2
All Life Scientists	17	20	3	1	4
All Physical & Life Science Techs.	63	74	11	6	17
Computer Programmers	11	13	2	0	2
Computer Programmer Aides	5	5	0	0	0
Statisticians	24	28	4	3	7
All Other Mathematical Scientists	3	3	0	0	0
Urban & Regional Planners	39	46	7	2	9
All Other Social Scientists	25	28	3	1	4
Social Workers, Medical & Psychiatric	34	38	4	4	8
Social Workers, Exc. Medical & Psychiatric	103	121	18	18	36
Social Service Technicians	61	70	9	4	13
Recreation Workers	8	9	1	1	2
All Religious Workers	6	6	0	0	0
Lawyers	81	95	14	8	22
Paralegal Personnel	17	20	3	1	4
All Other Legal Assistants/Techs., Exc. Clerical	15	17	2	3	5
Teachers, Preschool & Kindergarten	76	90	14	14	28
Teachers, Elementary School	8	9	1	1	2
Instructors, Nonvocational Education	15	17	2	0	2
All Other Teachers & Instructors	8	9	1	1	2
Vocational & Educational Counselors	31	36	5	3	8
Physicians & Surgeons	8	8	0	0	0
Registered Nurses	51	57	6	7	13
Licensed Practical Nurses	19	20	1	2	3
Emergency Medical Technicians	5	5	0	1	1
Dietetic Technicians	99	116	17	20	37
Medical & Clinical Laboratory Technologists	8	9	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	72	80	8	10	18
Writers & Editors	8	9	1	1	2
All Other Professional, Paraprofessional, & Technical Workers	168	196	28	11	39
SALES & RELATED OCCUPATIONS	46	56	10	6	16
Cashiers	30	39	9	5	14
All Other Sales & Related Workers	16	17	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	882	1,027	145	156	301
First Line Supers.-Clerical & Admin. Support	22	24	2	1	3
Hotel Desk Clerks	31	36	5	6	11
Teacher Aides & Ed. Assistants, Clerical	147	173	26	26	52
Medical Secretaries	5	5	0	1	1
All Other Secretaries	264	313	49	59	108
Stenographers	21	24	3	4	7
Receptionists & Information Clerks	9	9	0	0	0
Typists	83	98	15	21	36
File Clerks	39	46	7	11	18

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Bookkeeping, Accounting, & Auditing Clerks	85	98	13	14	27
General Office Clerks	32	37	5	5	10
Duplicating Machine Operators	12	14	2	2	4
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
Data Entry Keyers, Exc. Composing	15	17	2	1	3
All Communication Equipment Operators	11	12	1	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	34	40	6	3	9
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	66	75	9	1	10
SERVICE OCCUPATIONS	654	747	93	110	203
Housekeepers	5	5	0	0	0
All Service Supervisors & Managers	60	70	10	12	22
Guards & Watch Guards	7	8	1	0	1
Bartenders	6	6	0	0	0
Waiters & Waitresses	47	54	7	9	16
Cooks, Restaurant	23	26	3	3	6
Cooks, Institution or Cafeteria	37	42	5	4	9
Food Preparation Workers	33	37	4	4	8
All Other Food Service Workers	29	32	3	1	4
Nursing Aides, Orderlies, & Attendants	65	74	9	13	22
All Other Health Service Workers	30	31	1	3	4
Maids & Housekeeping Cleaners	71	82	11	17	28
Janitors & Cleaners, Exc. Maids & Housekeeping	42	47	5	5	10
Child Care Workers	23	26	3	5	8
All Other Service Workers	176	207	31	34	65
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	25	28	3	2	5
Gardeners & Groundskeepers, Exc. Farm	13	14	1	1	2
All Other Agri., Forestry, Fishing, & Related	12	14	2	1	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	300	350	50	19	69
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	5	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	13	16	3	1	4
All Inspectors, Testers, & Related	12	19	7	1	8
All Machinery Maintenance Mechanics	3	3	0	0	0
Maintenance Repairers, General Utility	65	76	11	4	15
All Electrical Mechs./Installers/Repairers	2	3	1	0	1
All Other Mechanics, Installers, & Repairers	49	57	8	4	12
Electricians	7	8	1	0	1
All Other Construction Trades Workers	21	22	1	1	2
All Precision Metal Workers	1	1	0	0	0
All Machine Operators & Tenders	31	36	5	2	7
Hand Working Occupations, Inc. Assemblers & Fabricators	5	5	0	0	0
Bus Drivers	30	35	5	3	8
All Other Motor Vehicle Operators	3	3	0	0	0
All Transportation & Moving Equip. Operators	20	23	3	1	4
All Freight & Material Movers, Hand	14	16	2	1	3
All Helpers & Laborers	19	22	3	1	4
TOTAL ALL OCCUPATIONS	3,765	4,363	598	508	1,106

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

APACHE COUNTY (CONTD.)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Purchasing Agents, Exc. Wholesale, Retail, & Farm
Personnel, Training, & Labor Rel. Specialists
Management Analysts
Compliance & Enforcement Inspectors, Exc. Const.

All Engineering & Related Technicians
Surveying & Mapping Techs.

All Other Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

All Other Health Professionals, Paraprofessionals, & Technicians
Dietitians & Nutritionists

All Other Professional, Paraprofessional, & Technical Workers
Systems Analysts, Electronic Data Processing
Instructional Coordinators

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
First Line Supervisors & Managers - Sales
Salespersons, Retail

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Secretaries
Legal Secretaries

All Communication Equipment Operators
Switchboard Operators

All Other Clerical & Administrative Support
Personnel Clerks, Exc. Payroll & Timekeeping
Billing, Cost & Rate Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
Dining Room/Cafeteria Attdts. & Bartdr. Helpers
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria

All Other Health Service Workers
Medical Assistants

All Other Service Workers
Hairdressers, Hairstylists, & Cosmetologists
Ushers, Lobby Attendants, & Ticket Takers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All First Line Managers/Supervisors - Maintenance/Production/Construction
First Line Managers/Supervisors - Construction Trades & Extraction Workers

All Inspectors, Testers, & Related
Precision Inspectors, Testers, & Graders

All Other Mechanics, Installers, & Repairers
Automotive Mechanics

All Other Construction Trades Workers
Carpenters
Plumbers, Pipefitters, & Steamfitters

All Machine Operators & Tenders
Laundry/Drycleaning Mach. Opers., Exc. Pressing

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCHISE COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	140	165	25	7	32
Financial Managers	34	36	2	1	3
Medicine & Health Services Managers	16	18	2	1	3
General Managers & Top Executives	58	71	13	3	16
All Other Managers & Administrators	32	40	8	2	10
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	716	870	154	78	232
Accountants & Auditors	19	21	2	2	4
All Other Financial Specialists	19	21	2	2	4
All Other Management Support Workers	9	9	0	0	0
All Engineers	95	156	61	5	66
Electrical/Electronic Engineering Technicians	19	26	7	0	7
All Other Engineering & Related Technicians	12	13	1	0	1
All Life Scientists	1	1	0	0	0
Computer Programmers	5	7	2	0	2
Computer, Math, Operations, Research, & Related	14	22	8	0	8
Lawyers	18	21	3	2	5
All Legal Assistants/Techs., Exc. Clerical	11	13	2	1	3
Instructors & Coaches, Sports & Physical Trng.	6	7	1	0	1
All Other Teachers & Instructors	19	20	1	2	3
Physicians & Surgeons	43	48	5	5	10
Dentists	16	18	2	1	3
All Other Health Diagnosing/Treating Practitioners	9	10	1	1	2
Physical Therapists	5	5	0	0	0
All Other Therapists	5	5	0	0	0
Registered Nurses	159	183	24	29	53
Licensed Practical Nurses	53	61	8	11	19
Physician Assistants	6	6	0	1	1
Pharmacists	9	10	1	1	2
Medical & Clinical Laboratory Technologists	25	28	3	3	6
Medical & Clinical Laboratory Technicians	16	16	0	0	0
Dental Hygienists	15	17	2	2	4
Medical Records Technicians & Technologists	12	13	1	3	4
Radiologic Technicians	13	14	1	1	2
Surgical Technicians	9	10	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	19	20	1	2	3
Funeral Directors & Morticians	10	11	1	0	1
All Other Professional, Paraprofessional, & Technical Workers	45	58	13	3	16
SALES & RELATED OCCUPATIONS	82	108	26	10	36
Cashiers	16	17	1	1	2
All Other Sales & Related Workers	66	91	25	9	34
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	440	510	70	57	127
First Line Supers.-Clerical & Admin. Support	7	8	1	0	1
Hotel Desk Clerks	28	33	5	6	11
Medical Secretaries	51	58	7	10	17
All Other Secretaries	74	90	16	12	28
Receptionists & Information Clerks	72	78	6	10	16
Typists	25	28	3	4	7
Interviewing Clerks, Exc. Personnel & Welfare	18	20	2	2	4
Bookkeeping, Accounting, & Auditing Clerks	42	49	7	3	10
Billing, Cost & Rate Clerks	27	30	3	5	8
General Office Clerks	34	39	5	4	9
Computer Operators, Exc. Peripheral Equipment	14	17	3	0	3
Data Entry Keyers, Exc. Composing	11	15	4	0	4
All Other Office Machine Operators	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Communication Equipment Operators	3	3	0	0	0
All Material Recording/Scheduling/Dist.	7	7	0	0	0
All Other Clerical & Administrative Support	26	34	8	1	9
SERVICE OCCUPATIONS	722	833	111	124	235
All Service Supervisors & Managers	23	25	2	1	3
All Protective Service Workers	3	3	0	0	0
Bartenders	74	86	12	9	21
Waiters & Waitresses	87	101	14	18	32
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	25	29	4	1	5
Cooks, Restaurant	18	21	3	1	4
Cooks, Institution or Cafeteria	30	32	2	2	4
Food Preparation Workers	56	63	7	8	15
All Other Food Service Workers	3	3	0	0	0
Dental Assistants	41	47	6	10	16
Medical Assistants	9	9	0	1	1
Nursing Aides, Orderlies, & Attendants	120	139	19	26	45
Physical & Corrective Therapy Assists./Aides	6	6	0	1	1
Pharmacy Assistants	5	5	0	1	1
All Other Health Service Workers	1	1	0	0	0
Maids & Housekeeping Cleaners	76	88	12	17	29
Janitors & Cleaners, Exc. Maids & Housekeeping	55	71	16	6	22
Hairdressers, Hairstylists, & Cosmetologists	58	68	10	15	25
Funeral Attendants	6	7	1	1	2
All Other Service Workers	26	29	3	6	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	55	70	15	5	20
Gardeners & Groundskeepers, Exc. Farm	36	39	3	3	6
All Other Agri., Forestry, Fishing, & Related	19	31	12	2	14
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	197	239	42	9	51
All First Line Managers/Supervisors - Maintenance/Production/Construction	10	10	0	0	0
All Machinery Maintenance Mechanics	2	2	0	0	0
Maintenance Repairers, General Utility	38	52	14	1	15
Automotive Mechanics	45	52	7	3	10
All Electrical Mechs./Installers/Repairers	7	8	1	0	1
All Other Mechanics, Installers, & Repairers	4	4	0	0	0
All Precision Textile & Apparel Workers	4	4	0	0	0
All Other Precision Workers	2	2	0	0	0
All Machine Operators & Tenders	14	16	2	0	2
All Motor Vehicle Operators	11	11	0	0	0
All Other Transportation & Related Workers	3	3	0	0	0
All Helpers & Laborers	57	75	18	5	23
TOTAL ALL OCCUPATIONS	2,352	2,795	443	290	733

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Financial Specialists
Tax Preparers

All Engineers
Electrical & Electronic Engineers

All Other Engineering & Related Technicians
Surveying & Mapping Scientists

All Legal Assistants/Techs., Exc. Clerical
Paralegal Personnel

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCHISE COUNTY (CONTD.)

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL (CONTD.)

All Other Teachers & Instructors
Teachers, Preschool & Kindergarten
Teachers & Instructors, Voc. Ed. & Training

All Other Health Diagnosing/Treating Practitioners
Optometrists

All Other Health Professionals, Paraprofessionals, & Technicians
Opticians, Dispensing & Measuring

All Other Professional, Paraprofessional, & Technical Workers
Social Service Technicians
Vocational & Educational Counselors
Writers & Editors
Artists & Related Workers

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
First Line Supervisors & Managers - Sales
Salespersons, Parts
Counter & Rental Clerks

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Secretaries
Legal Secretaries

All Other Clerical & Administrative Support
Typists, Word Processing Equipment

SERVICE OCCUPATIONS

All Service Supervisors & Managers
Housekeepers

All Other Service Workers
Child Care Workers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Electrical Mechs./Installers/Repairers
Electric Motor, Transformer, & Rel. Repairers

All Machine Operators & Tenders
Laundry/Drycleaning Mach. Opers., Exc. Pressing
Pressing Machine Opers. - Textile & Garments

All Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

All Helpers & Laborers
Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCONINO COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	442	503	61	38	99
Financial Managers	50	54	4	2	6
Personnel, Training, & Labor Relations Mgrs.	14	15	1	1	2
Purchasing Managers	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	14	16	2	1	3
Administrative Services Managers	16	17	1	1	2
Education Administrators	6	6	0	0	0
Medicine & Health Services Managers	10	10	0	0	0
Food Service & Lodging Managers	104	121	17	13	30
General Managers & Top Executives	147	173	26	12	38
All Other Managers & Administrators	76	86	10	8	18
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,376	1,575	199	172	371
Accountants & Auditors	74	85	11	9	20
All Other Financial Specialists	4	4	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	6	6	0	0	0
Personnel, Training, & Labor Rel. Specialists	7	8	1	0	1
All Other Management Support Workers	80	93	13	10	23
All Engineers	20	22	2	1	3
All Engineering & Related Technicians	16	18	2	0	2
All Physical Scientists	18	19	1	0	1
All Life Scientists	2	2	0	0	0
All Other Physical & Life Science Techs.	6	6	0	0	0
All Mathematical Scientists	17	22	5	0	5
All Social Scientists	23	26	3	1	4
Social Workers, Exc. Medical & Psychiatric	62	71	9	9	18
Social Service Technicians	58	66	8	3	11
All Religious Workers	7	8	1	1	2
Lawyers	32	37	5	3	8
Teachers, Preschool & Kindergarten	97	114	17	17	34
Instructors, Nonvocational Education	8	8	0	0	0
Instructors & Coaches, Sports & Physical Trng.	79	92	13	8	21
All Teachers & Instructors	26	29	3	4	7
Physicians & Surgeons	48	53	5	5	10
Dentists	24	27	3	2	5
All Other Health Diagnosing/Treating Practitioners	17	19	2	4	6
Registered Nurses	239	279	40	43	83
Licensed Practical Nurses	27	36	9	5	14
Pharmacists	6	6	0	1	1
Dietetic Technicians	73	86	13	15	28
Medical & Clinical Laboratory Technologists	15	17	2	2	4
Medical & Clinical Laboratory Technicians	5	5	0	0	0
Dental Hygienists	24	27	3	5	8
Surgical Technicians	5	5	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	91	102	11	13	24
All Other Professional, Paraprofessional, & Technical Workers	160	177	17	11	28
SALES & RELATED OCCUPATIONS	544	639	95	80	175
First Line Supervisors & Managers - Sales	52	60	8	6	14
Sales Agents, Selected Business Services	19	23	4	2	6
All Other Sales Representatives & Salespersons, Service	2	2	0	0	0
Salespersons, Retail	175	206	31	22	53
Salespersons, Parts	16	18	2	1	3
Counter & Rental Clerks	53	66	13	9	22
Cashiers	199	233	34	37	71
All Other Sales & Related Workers	28	31	3	3	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	1,180	1,347	167	184	351
First Line Supers.-Clerical & Admin. Support	41	46	5	4	9
Travel Clerks	43	49	6	8	14
Hotel Desk Clerks	261	309	48	55	103
Teacher Aides & Ed. Assistants, Clerical	114	134	20	19	39
Legal Secretaries	48	56	8	11	19
Medical Secretaries	33	37	4	6	10
All Other Secretaries	131	148	17	20	37
Receptionists & Information Clerks	73	79	6	8	14
Typists	59	66	7	12	19
Bookkeeping, Accounting, & Auditing Clerks	127	146	19	18	37
Payroll & Timekeeping Clerks	9	9	0	0	0
Billing, Cost & Rate Clerks	22	23	1	3	4
General Office Clerks	71	82	11	10	21
Billing, Posting, & Calculating Machine Opers.	6	6	0	0	0
Data Entry Keyers, Exc. Composing	15	16	1	0	1
All Other Office Machine Operators	4	4	0	0	0
Switchboard Operators	26	30	4	6	10
Stock Clerks - Stockroom, Warehouse, or Yard	19	21	2	1	3
All Other Material Recording/Scheduling/Dist.	23	26	3	1	4
All Other Clerical & Administrative Support	55	60	5	2	7
SERVICE OCCUPATIONS	3,082	3,671	589	552	1,141
Housekeepers	47	55	8	7	15
All Other Service Supervisors & Managers	65	78	13	12	25
Guards & Watch Guards	98	147	49	5	54
All Other Protective Service Workers	38	59	21	2	23
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	42	49	7	9	16
Bartenders	108	126	18	14	32
Waiters & Waitresses	486	575	89	108	197
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	195	231	36	11	47
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	65	76	11	14	25
Bakers, Bread & Pastry	18	21	3	3	6
Cooks, Restaurant	179	211	32	27	59
Cooks, Institution or Cafeteria	36	40	4	4	8
Cooks, Short Order	26	28	2	0	2
Food Preparation Workers	239	280	41	42	83
Combined Food Preparation & Service Workers	24	28	4	4	8
All Other Food Service Workers	58	67	9	8	17
Dental Assistants	40	46	6	11	17
Medical Assistants	29	32	3	5	8
Nursing Aides, Orderlies, & Attendants	72	83	11	15	26
All Other Health Service Workers	42	49	7	9	16
Maids & Housekeeping Cleaners	646	763	117	158	275
Janitors & Cleaners, Exc. Maids & Housekeeping	206	249	43	33	76
All Other Cleaning/Building Service, Exc. Private House	45	56	11	7	18
Hairdressers, Hairstylists, & Cosmetologists	43	50	7	11	18
Amusement & Recreation Attendants	70	82	12	9	21
Baggage Porters & Bellhops	44	52	8	3	11
All Other Service Workers	121	138	17	21	38
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	61	68	7	8	15
Gardeners & Groundskeepers, Exc. Farm	53	60	7	8	15
All Other Agri., Forestry, Fishing, & Related	8	8	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	946	1,093	147	61	208
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	23	25	2	2	4
First Line Managers/Supervisors - Construction Trades & Extraction Workers	12	13	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	21	24	3	2	5
All Inspectors, Testers, & Related	4	4	0	0	0
All Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	142	166	24	10	34
Automotive Mechanics	80	93	13	5	18
All Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
All Other Electrical Mechs./Installers/Repairers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	103	119	16	6	22
Carpenters	11	11	0	0	0
Electricians	11	12	1	0	1
Painters & Paperhangers - Construction & Maintenance	21	24	3	2	5
Plumbers, Pipefitters, & Steamfitters	6	6	0	0	0
All Extraction Workers, Exc. Helpers	21	24	3	2	5
All Precision Metal Workers	7	7	0	0	0
All Precision Textile & Apparel Workers	15	17	2	0	2
All Other Precision Workers	9	11	2	0	2
All Printing & Related Machine Opers.	9	14	5	1	6
Laundry/Drycleaning Mach. Opers., Exc. Pressing	91	106	15	7	22
All Machine Setters & Set-Up Operators	4	6	2	0	2
All Other Machine Operators & Tenders	25	28	3	2	5
Welders & Cutters	21	25	4	1	5
All Other Hand Workers	12	15	3	0	3
All Plant & System Operators	2	2	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	19	21	2	0	2
Bus Drivers	52	59	7	5	12
Taxi Drivers & Chauffeurs	31	36	5	4	9
All Other Motor Vehicle Operators	15	17	2	0	2
All Transportation & Related Workers	11	13	2	1	3
All Other Transportation & Moving Equip. Operators	34	39	5	2	7
All Material Moving Equipment Operators	6	7	1	0	1
Freight, Stock, & Material Movers, Hand	22	24	2	0	2
All Helpers & Laborers	99	118	19	9	28
TOTAL ALL OCCUPATIONS	7,631	8,896	1,265	1,095	2,360

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineers
Civil Engineers, Incl. Traffic

All Engineering & Related Technicians
Surveying & Mapping Scientists
Engineering & Related Technicians & Technologists

All Physical Scientists
Physicists & Astronomers

All Mathematical Scientists
Statisticians
Financial Analysts, Statistical

All Religious Workers
Clergy

All Teachers & Instructors
Teachers, Elementary School

All Other Health Diagnosing/Treating Practitioners
Optometrists

All Other Health Professionals, Paraprofessionals, & Technicians
Opticians, Dispensing & Measuring
Radiologic Technologists

All Other Professional, Paraprofessional, & Technical Workers
Computer Programmers
Social Workers, Medical & Psychiatric
Recreation Workers
Curators, Archivists, & Museum Technicians
Vocational & Educational Counselors
Instructional Coordinators
Camera Operators, Television & Motion Picture

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

COCONINO COUNTY (CONTD.)

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Sales Representatives, Scientific & Related Products & Services, Exc. Retail

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist. Traffic, Shipping, & Receiving Clerks

All Other Clerical & Administrative Support
File Clerks

SERVICE OCCUPATIONS

All Other Protective Service Workers
Detectives & Investigators, Exc. Public

All Other Food Service Workers
Food Servers, Outside

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

All Other Service Workers
Manicurists
Guides
Ushers, Lobby Attendants, & Ticket Takers
Social Welfare Service Aides
Child Care Workers
Funeral Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other First Line Managers/Supervisors - Maintenance/Production/Construction
First Line Mgrs./Supers. - Transport. Operatives

All Other Electrical Mechs./Installers/Repairers
Electronic Home Entertainment Equip. Repairers

All Other Mechanics, Installers, & Repairers
Automotive Body & Related Repairers
Bus & Truck Mechs., & Diesel Eng. Specialists
Heating, Air Conditioning, & Refrigeration Mechanics & Installers

All Extraction Workers, Exc. Helpers
Septic Tank Servicers & Sewer Pipe Cleaners

All Precision Metal Workers
Machinists

All Precision Textile & Apparel Workers
Upholsterers
Pressers, Delicate Fabrics

All Other Precision Workers
Precision Dental Laboratory Technicians

All Printing & Related Machine Opers.
Printing Press Machine Operators & Tenders

All Other Machine Operators & Tenders
/ Pressing Machine Opers. - Textile & Garments
Motion Picture Projectionists
Photographic Processing Mach. Opers. & Tenders

All Other Motor Vehicle Operators
Bus Drivers
Bus Drivers, School

All Transportation & Related Workers
Service Station Attendants

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

GILA COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	112	123	11	6	17
Financial Managers	22	23	1	0	1
Medicine & Health Services Managers	15	16	1	0	1
Food Service & Lodging Managers	13	15	2	1	3
General Managers & Top Executives	27	29	2	1	3
All Other Managers & Administrators	35	40	5	4	9
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	435	483	48	49	97
Accountants & Auditors	13	14	1	1	2
Compliance & Enforcement Inspectors, Exc. Const.	14	16	2	1	3
All Other Management Support Workers	16	17	1	1	2
All Engineers	4	4	0	0	0
All Engineering & Related Technicians	14	15	1	0	1
All Social Scientists	1	1	0	0	0
Social Service Technicians	37	42	5	2	7
All Legal Assistants/Techs., Exc. Clerical	3	3	0	0	0
Teachers, Preschool & Kindergarten	8	8	0	0	0
All Other Teachers & Instructors	7	7	0	0	0
Physicians & Surgeons	22	24	2	2	4
All Other Health Diagnosing/Treating Practitioners	6	6	0	0	0
Respiratory Therapists	8	9	1	1	2
All Other Therapists	4	4	0	0	0
Registered Nurses	114	131	17	21	38
Licensed Practical Nurses	59	68	9	11	20
Pharmacists	7	8	1	1	2
Dietetic Technicians	16	18	2	3	5
Medical & Clinical Laboratory Technologists	10	11	1	1	2
Medical & Clinical Laboratory Technicians	8	9	1	1	2
Radiologic Technicians	5	5	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	18	18	0	1	1
All Other Professional, Paraprofessional, & Technical Workers	41	45	4	2	6
SALES & RELATED OCCUPATIONS	39	43	4	3	7
First Line Supervisors & Managers - Sales	6	7	1	0	1
Cashiers	27	30	3	3	6
All Other Sales & Related Workers	6	6	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	375	420	45	55	100
Welfare Eligibility Workers & Interviewers	5	5	0	0	0
Hotel Desk Clerks	35	41	6	7	13
Teacher Aides & Ed. Assistants, Clerical	13	15	2	2	4
Medical Secretaries	10	11	1	1	2
All Other Secretaries	62	72	10	11	21
Receptionists & Information Clerks	32	34	2	4	6
Typists	62	72	10	16	26
File Clerks	8	9	1	1	2
Interviewing Clerks, Exc. Personnel & Welfare	6	6	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	39	43	4	5	9
Billing, Cost & Rate Clerks	9	10	1	1	2
General Office Clerks	45	52	7	6	13
Computer Operators, Exc. Peripheral Equipment	6	6	0	0	0
All Other Office Machine Operators	5	5	0	0	0
Switchboard Operators	7	7	0	1	1
All Material Recording/Scheduling/Dist.	9	9	0	0	0
All Other Clerical & Administrative Support	22	23	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

GILA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
SERVICE OCCUPATIONS	622	711	89	107	196
Housekeepers	12	13	1	1	2
All Other Service Supervisors & Managers	5	5	0	0	0
All Protective Service Workers	2	2	0	0	0
Bartenders	22	24	2	2	4
Waiters & Waitresses	74	86	12	16	28
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	15	17	2	0	2
Cooks, Restaurant	34	39	5	4	9
Cooks, Institution or Cafeteria	31	35	4	4	8
Food Preparation Workers	52	59	7	8	15
All Other Food Service Workers	18	18	0	0	0
Nursing Aides, Orderlies, & Attendants	92	107	15	20	35
Physical & Corrective Therapy Assists./Aides	6	6	0	1	1
All Other Health Service Workers	19	20	1	3	4
Maids & Housekeeping Cleaners	124	145	21	30	51
Janitors & Cleaners, Exc. Maids & Housekeeping	38	45	7	4	11
Hairdressers, Hairstylists, & Cosmetologists	28	33	5	7	12
Social Welfare Service Aides	14	16	2	2	4
All Other Service Workers	36	41	5	5	10
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	121	142	21	14	35
Gardeners & Groundskeepers, Exc. Farm	10	11	1	1	2
All Other Agri., Forestry, Fishing, & Related	111	131	20	13	33
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	215	262	47	14	61
All First Line Managers/Supervisors - Maintenance/Production/Construction	8	9	1	0	1
Maintenance Repairers, General Utility	53	61	8	3	11
All Other Mechanics, Installers, & Repairers	11	12	1	0	1
All Construction Trades Workers	8	8	0	0	0
All Precision Workers	2	2	0	0	0
Pressing Machine Opers. - Textile & Garments	11	12	1	1	2
All Other Machine Operators & Tenders	27	38	11	2	13
All Motor Vehicle Operators	13	13	0	0	0
All Transportation & Moving Equip. Operators	26	42	16	2	18
All Helpers & Laborers	56	65	9	6	15
TOTAL ALL OCCUPATIONS	1,919	2,184	265	248	513

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineering & Related Technicians
Surveying & Mapping Techs.

All Other Teachers & Instructors
Instructors & Coaches, Sports & Physical Trng.

All Other Health Diagnosing/Treating Practitioners
Dentists

All Other Professional, Paraprofessional, & Technical Workers
Social Workers, Medical & Psychiatric
Social Workers, Exc. Medical & Psychiatric
Lawyers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Secretaries
Legal Secretaries

SERVICE OCCUPATIONS

All Other Food Service Workers
Cooks, Specialty Fast Food

All Other Health Service Workers
Dental Assistants

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

All Other Agri., Forestry, Fishing, & Related
Animal Caretakers, Exc. Farm

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

GILA COUNTY (CONTD.)

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Automotive Body & Related Repairers

All Construction Trades Workers
Electricians

All Other Machine Operators & Tenders
Laundry/Drycleaning Mach. Opers., Exc. Pressing

All Other Motor Vehicle Operators
Bus Drivers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

GRAHAM & GREENLEE COUNTIES

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	25	25	0	0	0
General Managers & Top Executives	11	11	0	0	0
All Other Managers & Administrators	14	14	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	165	176	11	15	26
All Financial Specialists	5	5	0	0	0
All Other Management Support Workers	6	6	0	0	0
All Legal Assistants/Techs., Exc. Clerical	3	3	0	0	0
All Teachers & Instructors	9	10	1	0	1
Physicians & Surgeons	12	13	1	1	2
Dentists	8	8	0	0	0
All Therapists	2	2	0	0	0
Registered Nurses	51	58	7	9	16
Licensed Practical Nurses	16	17	1	3	4
Emergency Medical Technicians	5	5	0	1	1
Physician Assistants	6	6	0	1	1
Medical & Clinical Laboratory Technologists	8	8	0	0	0
Dental Hygienists	5	5	0	0	0
Radiologic Technologists	5	5	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	9	9	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	15	16	1	0	1
SALES & RELATED OCCUPATIONS	23	25	2	2	4
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	124	131	7	9	16
Hotel Desk Clerks	12	14	2	2	4
All Secretaries	16	17	1	1	2
Receptionists & Information Clerks	19	19	0	1	1
File Clerks	7	7	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	17	18	1	1	2
General Office Clerks	21	22	1	2	3
All Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	1	1	0	0	0
All Other Clerical & Administrative Support	30	32	2	2	4
SERVICE OCCUPATIONS	259	282	23	39	62
All Service Supervisors & Managers	5	5	0	0	0
Bartenders	8	8	0	0	0
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	7	7	0	0	0
Cooks, Institution or Cafeteria	11	11	0	0	0
Food Preparation Workers	16	17	1	2	3
All Other Food Service Workers	19	20	1	2	3
Dental Assistants	15	16	1	3	4
Medical Assistants	11	12	1	2	3
Nursing Aides, Orderlies, & Attendants	65	74	9	14	23
All Other Health Service Workers	11	11	0	0	0
Maids & Housekeeping Cleaners	52	58	6	10	16
Janitors & Cleaners, Exc. Maids & Housekeeping	9	9	0	0	0
Hairdressers, Hairstylists, & Cosmetologists	26	30	4	6	10
All Other Service Workers	4	4	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	76	82	6	2	8
All First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	7	7	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	29	34	5	2	7

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

GRAHAM & GREENLEE COUNTIES (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Precision Metal Workers	3	3	0	0	0
All Precision Textile & Apparel Workers	6	6	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	8	8	0	0	0
All Other Machine Operators & Tenders	4	4	0	0	0
Hand Working, Inc. Assemblers & Fabricators	8	9	1	0	1
All Motor Vehicle Operators	6	6	0	0	0
All Helpers & Laborers	3	3	0	0	0
TOTAL ALL OCCUPATIONS	675	724	49	67	116

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Financial Specialists
Accountants & Auditors

All Teachers & Instructors
Instructors & Coaches, Sports & Physical Trng.

All Other Professional, Paraprofessional, & Technical Workers
Lawyers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Secretaries
Legal Secretaries

All Other Clerical and Administrative Support Workers
First Line Supers.-Clerical & Administrative Support
Welfare Eligibility Workers & Interviewers
Order Clerks - Materials, Merch., & Service

SERVICE OCCUPATIONS

All Other Food Service Workers
Waiters & Waitresses
Cooks, Restaurant

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Automotive Mechanics
Automotive Body & Related Repairers
Precision Instrument Repairers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

LA PAZ COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	35	35	0	0	0
Financial Managers	5	5	0	0	0
Medicine & Health Services Managers	5	5	0	0	0
Food Service & Lodging Managers	9	9	0	0	0
General Managers & Top Executives	9	9	0	0	0
All Other Managers & Administrators	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	81	89	8	5	13
All Financial Specialists	3	3	0	0	0
All Other Management Support Workers	7	8	1	1	2
Social Workers, Medical & Psychiatric	5	5	0	0	0
Social Service Technicians	8	9	1	0	1
All Legal Assistants/Techs., Exc. Clerical	1	1	0	0	0
Teachers, Preschool & Kindergarten	14	16	2	2	4
All Other Teachers & Instructors	2	2	0	0	0
Instructional Coordinators	6	7	1	0	1
All Health Diagnosing/Treating Practitioners	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	11	12	1	1	2
All Other Professional, Paraprofessional, & Technical Workers	23	25	2	1	3
SALES & RELATED OCCUPATIONS	13	14	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	107	119	12	11	23
Hotel Desk Clerks	11	13	2	2	4
Teacher Aides & Ed. Assistants, Clerical	22	26	4	3	7
Secretaries	24	27	3	4	7
Typists	5	5	0	1	1
Typists, Word Processing Equipment	8	9	1	0	1
Bookkeeping, Accounting, & Auditing Clerks	8	9	1	1	2
Data Entry Keyers, Exc. Composing	5	5	0	0	0
All Other Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	1	1	0	0	0
All Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	20	21	1	0	1
SERVICE OCCUPATIONS	149	162	13	13	26
All Service Supervisors & Managers	6	7	1	1	2
Guards & Watch Guards	7	7	0	0	0
Bartenders	16	18	2	1	3
Waiters & Waitresses	19	21	2	2	4
Cooks, Restaurant	7	7	0	0	0
Cooks, Institution or Cafeteria	5	5	0	0	0
Food Preparation Workers	8	8	0	0	0
All Other Food Service Workers	4	4	0	0	0
All Health Service Workers	4	4	0	0	0
Maids & Housekeeping Cleaners	18	20	2	4	6
Janitors & Cleaners, Exc. Maids & Housekeeping	7	7	0	0	0
All Other Cleaning/Building Service, Exc. Private House	1	1	0	0	0
Social Welfare Service Aides	5	5	0	0	0
Child Care Workers	7	8	1	1	2
All Other Service Workers	35	40	5	4	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	52	60	8	5	13
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	51	53	2	0	2
All First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Maintenance Repairers, General Utility	17	19	2	0	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

LA PAZ COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Electrical Mechs./Installers/Repairers	4	4	0	0	0
All Other Mechanics, Installers, & Repairers	5	5	0	0	0
All Construction Trades Workers	4	4	0	0	0
All Motor Vehicle Operators	6	6	0	0	0
All Freight & Material Movers, Hand	2	2	0	0	0
All Helpers & Laborers	10	10	0	0	0
TOTAL ALL OCCUPATIONS	488	532	44	35	79

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

Cashiers -

SERVICE OCCUPATIONS

All Other Service Workers
Amusement & Recreation Attendants

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	9,473	11,761	2,288	1,146	3,434
Financial Managers	1,267	1,570	303	137	440
Personnel, Training, & Labor Relations Mgrs.	260	309	49	22	71
Purchasing Managers	98	115	17	7	24
Marketing, Advertising, & Public Rel. Mgrs.	514	637	123	63	186
Administrative Services Managers	571	712	141	59	200
Education Administrators	95	120	25	9	34
Medicine & Health Services Managers	951	1,098	147	110	257
Property & Real Estate Managers & Admin.	16	20	4	2	6
Construction Managers	65	83	18	7	25
Food Service & Lodging Managers	611	753	142	91	233
General Managers & Top Executives	3,700	4,693	993	457	1,450
All Other Managers & Administrators	1,325	1,651	326	182	508
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	48,614	59,160	10,546	7,233	17,779
Credit Analysts	51	65	14	10	24
Tax Preparers	308	396	88	47	135
Accountants & Auditors	2,282	2,903	621	336	957
Budget Analysts	27	30	3	2	5
All Other Financial Specialists	136	165	29	10	39
Purchasing Agents, Exc. Wholesale, Retail, & Farm	225	273	48	21	69
Employment Interviewers	347	442	95	40	135
Personnel, Training, & Labor Rel. Specialists	560	696	136	60	196
Cost Estimators	102	129	27	21	48
Management Analysts	56	71	15	12	27
Compliance & Enforcement Inspectors, Exc. Const.	43	48	5	4	9
All Other Management Support Workers	785	969	184	101	285
Aeronautical and Astronautical Engineers	67	85	18	3	21
Chemical Engineers	24	29	5	1	6
Civil Engineers, Incl. Traffic	684	873	189	94	283
Agricultural Engineers	79	100	21	5	26
Electrical & Electronic Engineers	361	459	98	19	117
Industrial Engineers, Exc. Safety	140	176	36	9	45
Safety Engineers, Exc. Mining	34	43	9	2	11
Mechanical Engineers	333	426	93	19	112
All Other Engineers	205	255	50	10	60
Architects, Exc. Landscape & Marine	627	808	181	84	265
Landscape Architects	25	32	7	3	10
Surveying & Mapping Scientists	225	290	65	13	78
Civil Engineering Technicians & Technologists	201	256	55	26	81
Electrical/Electronic Engineering Technicians	804	1,027	223	46	269
Industrial Engineering Techs.	155	197	42	16	58
Mechanical Engineering Techs.	76	94	18	1	19
Drafters	1,926	2,480	554	162	716
Surveying & Mapping Techs.	441	567	126	29	155
All Other Engineering & Related Technicians	205	255	50	19	69
Chemists, Exc. Biochemists	37	46	9	3	12
Geologists, Geophysicists, & Oceanographers	37	46	9	0	9
All Other Physical Scientists	42	49	7	2	9
Agricultural & Food Scientists	28	35	7	4	11
Biological Scientists	31	35	4	1	5
Medical Scientists	29	32	3	2	5
Biological, Agri., & Food Techs., Exc. Health	52	66	14	5	19
Chemical Techs., Exc. Health	22	26	4	2	6
All Other Physical & Life Science Techs.	85	108	23	9	32
Systems Analysts, Electronic Data Processing	676	856	180	26	206
Computer Programmers	773	978	205	36	241
Computer Programmer Aides	114	140	26	6	32
Operations & Systems Analysts, Exc. Computer	44	55	11	0	11
Statisticians	17	19	2	0	2
Financial Analysts, Statistical	11	13	2	0	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Other Mathematical Scientists	9	11	2	1	3
Economists, Incl. Market Research Analysts	64	81	17	7	24
Urban & Regional Planners	31	38	7	0	7
Psychologists	182	208	26	11	37
All Other Social Scientists	6	6	0	0	0
Social Workers, Medical & Psychiatric	708	836	128	125	253
Social Workers, Exc. Medical & Psychiatric	296	372	76	50	126
Social Service Technicians	419	517	98	34	132
Recreation Workers	275	344	69	37	106
Clergy	29	32	3	3	6
Directors, Religious Activities & Education	39	48	9	6	15
All Other Religious Workers	34	42	8	4	12
Lawyers	2,211	2,851	640	252	892
Legal Assistants & Technicians, Ex. Clerical	45	57	12	10	22
Law Clerks	130	167	37	14	51
Paralegal Personnel	476	614	138	52	190
All Other Legal Assistants/Techs., Exc. Clerical	8	9	1	1	2
Lecturers	51	65	14	4	18
Nursing Instructors	111	128	17	9	26
Teachers, Preschool & Kindergarten	1,314	1,692	378	256	634
Teachers & Instructors, Voc. Ed. & Training	202	250	48	36	84
Instructors, Nonvocational Education	152	191	39	11	50
Instructors & Coaches, Sports & Physical Trng.	771	989	218	81	299
All Other Teachers & Instructors	210	257	47	43	90
Librarians, Professional	35	40	5	5	10
Technical Assistants, Library	8	9	1	1	2
Curators, Archivists, & Museum Technicians	23	29	6	3	9
Vocational & Educational Counselors	146	185	39	18	57
Instructional Coordinators	32	37	5	1	6
Physicians & Surgeons	2,621	3,028	407	391	798
Dentists	645	744	99	63	162
Optometrists	134	154	20	20	40
Podiatrists	34	38	4	5	9
All Other Health Diagnosing/Treating Practitioners	44	50	6	13	19
Respiratory Therapists	436	503	67	69	136
Occupational Therapists	117	131	14	14	28
Physical Therapists	357	410	53	53	106
Corrective & Manual Arts Therapists	19	20	1	1	2
Speech Pathologists & Audiologists	100	113	13	13	26
Recreational Therapists	62	70	8	8	16
All Other Therapists	32	36	4	2	6
Registered Nurses	9,412	11,012	1,600	1,841	3,441
Licensed Practical Nurses	3,377	4,015	638	766	1,404
Emergency Medical Technicians	81	93	12	18	30
Physician Assistants	351	403	52	77	129
Opticians, Dispensing & Measuring	220	253	33	31	64
Pharmacists	253	291	38	55	93
Dietitians & Nutritionists	143	165	22	26	48
Dietetic Technicians	121	140	19	21	40
Medical & Clinical Laboratory Technologists	836	967	131	152	283
Medical & Clinical Laboratory Technicians	728	839	111	102	213
Dental Hygienists	578	667	89	131	220
Medical Records Technicians & Technologists	218	249	31	52	83
Nuclear Medicine Technologists	167	192	25	25	50
Radiologic Technologists	391	451	60	63	123
Radiologic Technicians	438	503	65	68	133
Electroencephalograph Techs.	37	42	5	4	9
Electrocardiograph Techs.	118	134	16	15	31
Surgical Technicians	385	444	59	54	113
All Other Health Professionals, Paraprofessionals, & Technicians	1,585	1,941	356	354	710

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Writers & Editors	94	114	20	13	33
Technical Writers	47	59	12	0	12
Public Rel. Specialists & Publicity Writers	243	296	53	30	83
Photographers	227	286	59	21	80
Artists & Related Workers	406	519	113	73	186
Designers, Exc. Interior Designers	336	428	92	27	119
Interior Designers	34	43	9	1	10
Musicians, Instrumental	410	528	118	62	180
Producers, Directors, Actors, & Entertainers	192	247	55	21	76
Athletes, Coaches, Umpires, & Related Workers	150	192	42	16	58
Funeral Directors & Morticians	81	104	23	7	30
Embalmers	46	59	13	4	17
All Other Professional, Paraprofessional, & Technical Workers	759	939	180	55	235
SALES & RELATED OCCUPATIONS	7,384	9,375	1,991	1,262	3,253
First Line Supervisors & Managers - Sales	799	1,011	212	109	321
Sales Agents, Selected Business Services	1,048	1,332	284	176	460
Sales Agents, Advertising	52	65	13	6	19
All Other Sales Representatives & Salespersons, Service	219	279	60	31	91
Sales Engineers	48	60	12	1	13
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	256	323	67	29	96
Other Sales Representatives, Exc. Retail	432	548	116	68	184
Salespersons, Retail	280	352	72	35	107
Salespersons, Parts	106	136	30	12	42
Counter & Rental Clerks	1,401	1,801	400	291	691
Cashiers	1,465	1,849	384	299	683
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	313	398	85	63	148
Demonstrators, Promoters, & Models	141	180	39	25	64
All Other Sales & Related Workers	824	1,041	217	117	334
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	38,146	47,327	9,181	7,179	16,360
First Line Supers.-Clerical & Admin. Support	1,529	1,882	353	187	540
Credit Managers	61	77	16	13	29
Adjustment Clerks	10	12	2	2	4
Welfare Eligibility Workers & Interviewers	12	15	3	2	5
Investigators, Clerical	254	325	71	37	108
Bill & Account Collectors	497	635	138	75	213
Travel Clerks	48	60	12	10	22
Hotel Desk Clerks	824	1,019	195	179	374
Library Assistants & Bookmobile Drivers	33	38	5	1	6
Teacher Aides & Ed. Assistants, Clerical	229	293	64	38	102
Advertising Clerks	33	42	9	7	16
Proofreaders & Copy Markers	17	20	3	1	4
Legal Secretaries	1,891	2,441	550	455	1,005
Medical Secretaries	1,099	1,269	170	251	421
All Other Secretaries	4,856	6,071	1,215	1,133	2,348
Stenographers	159	192	33	29	62
Receptionists & Information Clerks	3,519	4,303	784	764	1,548
Typists	1,312	1,597	285	334	619
Typists, Word Processing Equipment	782	980	198	82	280
Personnel Clerks, Exc. Payroll & Timekeeping	97	110	13	20	33
Correspondence Clerks	24	30	6	5	11
File Clerks	555	673	118	146	264
Order Clerks - Materials, Merch., & Service	207	256	49	40	89
Procurement Clerks	54	61	7	5	12
Statistical Clerks	227	265	38	46	84
Interviewing Clerks, Exc. Personnel & Welfare	1,381	1,707	326	223	549
Bookkeeping, Accounting, & Auditing Clerks	4,346	5,461	1,115	866	1,981

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Payroll & Timekeeping Clerks	277	333	56	37	93
Billing, Cost & Rate Clerks	910	1,064	154	191	345
General Office Clerks	4,354	5,444	1,090	957	2,047
Billing, Posting, & Calculating Machine Opers.	224	259	35	35	70
Duplicating Machine Operators	104	130	26	22	48
Mail Machine Operators, Preparation & Handling	79	98	19	20	39
Computer Operators, Exc. Peripheral Equipment	609	759	150	61	211
Peripheral EDP Equipment Operators	179	222	43	39	82
Data Entry Keyers, Exc. Composing	1,845	2,329	484	143	627
Data Keyers, Composing	102	129	27	24	51
All Other Office Machine Operators	97	119	22	26	48
Switchboard Operators	1,169	1,455	286	311	597
Mail Clerks, Exc. Mail Machine Operators & Postal Service	471	599	128	81	209
Messengers	180	227	47	20	67
Dispatchers - Police, Fire, & Ambulance	36	41	5	4	9
Dispatchers - Exc. Police, Fire, & Ambulance	106	135	29	8	37
Production, Planning, & Expediting Clerks	164	208	44	34	78
Stock Clerks - Stockroom, Warehouse, or Yard	1,138	1,428	290	126	416
Traffic, Shipping, & Receiving Clerks	316	389	73	31	104
All Other Material Recording/Scheduling/Dist.	193	233	40	18	58
All Other Clerical & Administrative Support	1,537	1,892	355	40	395
SERVICE OCCUPATIONS	44,092	54,607	10,515	8,321	18,836
First Line Supers. & Mgrs./Supers. - Service	217	273	56	40	96
Housekeepers	465	566	101	69	170
All Other Service Supervisors & Managers	881	1,099	218	180	398
Detectives & Investigators, Exc. Public	178	228	50	10	60
Guards & Watch Guards	4,304	5,483	1,179	254	1,433
All Other Protective Service Workers	856	1,099	243	131	374
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	232	287	55	51	106
Bartenders	753	946	193	112	305
Waiters & Waitresses	2,900	3,617	717	664	1,381
Food Servers, Outside	509	596	87	48	135
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	1,262	1,567	305	70	375
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	440	557	117	103	220
Bakers, Bread & Pastry	54	65	11	9	20
Butchers & Meat Cutters	8	9	1	0	1
Cooks, Restaurant	865	1,076	211	135	346
Cooks, Institution or Cafeteria	536	647	111	80	191
Cooks, Specialty Fast Food	48	59	11	4	15
Cooks, Short Order	94	114	20	9	29
Food Preparation Workers	1,543	1,871	328	282	610
Combined Food Preparation & Service Workers	63	79	16	10	26
All Other Food Service Workers	714	869	155	129	284
Dental Assistants	1,218	1,408	190	336	526
Medical Assistants	1,288	1,486	198	297	495
Nursing Aides, Orderlies, & Attendants	4,111	4,791	680	917	1,597
Home Health Aides	193	239	46	19	65
Psychiatric Aides	223	257	34	49	83
Physical & Corrective Therapy Assists./Aides	407	474	67	91	158
Occupational Therapy Assistants & Aides	200	231	31	46	77
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	27	31	4	3	7
Pharmacy Assistants	187	215	28	43	71
All Other Health Service Workers	230	264	34	15	49
Maids & Housekeeping Cleaners	4,045	4,923	878	1,002	1,880
Janitors & Cleaners, Exc. Maids & Housekeeping	5,392	6,851	1,459	1,000	2,459
Pest Controllers & Assistants	534	685	151	63	214
All Other Cleaning/Building Service, Exc. Private House	337	413	76	57	133

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Barbers	235	301	66	38	104
Hairdressers, Hairstylists, & Cosmetologists	3,272	4,218	946	904	1,850
Manicurists	317	406	89	86	175
Shampooers	44	55	11	11	22
Amusement & Recreation Attendants	948	1,215	267	142	409
Guides	38	48	10	7	17
Ushers, Lobby Attendants, & Ticket Takers	429	552	123	62	185
Baggage Porters & Bellhops	390	482	92	28	120
Wardrobe, Locker, & Dressing Room Attendants	72	92	20	8	28
Social Welfare Service Aides	163	208	45	29	74
Child Care Workers	1,241	1,589	348	345	693
Funeral Attendants	63	81	18	13	31
All Other Service Workers	1,566	1,985	419	320	739
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1,553	1,956	403	297	700
Gardeners & Groundskeepers, Exc. Farm	1,383	1,741	358	269	627
Animal Caretakers, Exc. Farm	131	167	36	25	61
All Other Agri., Forestry, Fishing, & Related	39	48	9	3	12
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	23,114	29,272	6,158	2,292	8,450
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	617	779	162	81	243
First Line Managers/Supervisors - Construction Trades & Extraction Workers	137	169	32	10	42
First Line Mgrs./Supers. - Production & Opers.	36	46	10	2	12
First Line Mgrs./Supers. - Transport. Operatives	64	76	12	8	20
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	253	311	58	44	102
Precision Inspectors, Testers, & Graders	745	954	209	88	297
Production Inspectors, Testers, & Graders	147	186	39	15	54
All Other Inspectors, Testers, & Related	63	79	16	8	24
All Machinery Maintenance Mechanics	35	42	7	2	9
Maintenance Repairers, General Utility	1,612	1,999	387	137	524
Automotive Mechanics	1,735	2,234	499	146	645
Automotive Body & Related Repairers	598	771	173	58	231
Bus & Truck Mechs., & Diesel Eng. Specialists	259	331	72	20	92
Small Engine Specialists	39	49	10	2	12
Data Processing Equipment Repairers	125	159	34	6	40
Electronic Home Entertainment Equip. Repairers	93	120	27	6	33
Electric Home Appliance & Power Tool Repairers	121	154	33	14	47
Electric Motor, Transformer, & Rel. Repairers	209	269	60	19	79
Electronics Repairers, Commercial & Ind. Equip.	71	90	19	3	22
All Other Electrical Mechs./Installers/Repairers	210	268	58	15	73
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	307	384	77	28	105
Precision Instrument Repairers	46	58	12	3	15
Electromedical & Biomedical Equip. Repairers	38	43	5	3	8
Locksmiths & Safe Repairers	45	58	13	4	17
Coin & Vending Machine Servicers & Repairers	65	82	17	5	22
Tire Repairers & Changers	121	155	34	14	48
Menders - Garments, Linens, & Related	23	27	4	2	6
All Other Mechanics, Installers, & Repairers	828	1,052	224	69	293
Carpenters	203	249	46	19	65
Electricians	166	205	39	13	52
Painters & Paperhangers - Construction & Maintenance	109	133	24	10	34
Plumbers, Pipefitters, & Steamfitters	98	121	23	8	31
All Other Construction Trades Workers	19	21	2	1	3
All Extraction Workers, Exc. Helpers	323	412	89	23	112
Precision Instrument Makers	44	56	12	7	19
Machinists	100	127	27	9	36

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Tool Grinders, Filers, Sharpeners (Precision)	49	63	14	5	19
All Other Precision Metal Workers	16	20	4	1	5
All Precision Woodworkers	34	41	7	1	8
Custom Tailors & Sewers	54	69	15	9	24
Upholsterers	281	361	80	43	123
Spotters, Dry Cleaning	53	68	15	9	24
Pressers, Delicate Fabrics	105	135	30	14	44
All Other Precision Textile & Apparel Workers	23	29	6	2	8
Precision Photographic Process Workers	73	91	18	9	27
Precision Dental Laboratory Technicians	299	345	46	39	85
All Other Precision Workers	153	192	39	12	51
Machine Setters, Operators, & Tenders	240	309	69	24	93
Machine Forming Operators & Tenders - Metal & Plastic	46	58	12	5	17
Offset Litho. Press Setters & Set-Up Opers.	52	65	13	7	20
Printing Press Machine Operators & Tenders	87	109	22	8	30
Photoengraving & Lithographing Machine Opers.	122	155	33	14	47
Bindery Machine Operators	43	54	11	4	15
Sewing Machine Operators, Garment	31	40	9	4	13
Sewing Machine Operators, Non-Garment	35	44	9	4	13
Laundry/Drycleaning Mach. Opers., Exc. Pressing	1,285	1,615	330	126	456
Pressing Machine Opers. - Textile & Garments	313	403	90	43	133
Motion Picture Projectionists	82	105	23	19	42
Photographic Processing Mach. Opers. & Tenders	459	588	129	53	182
Painters, Transportation Equipment	136	175	39	15	54
Packaging & Filling Machine Opers. & Tenders	52	65	13	5	18
All Other Machine Setters & Set-Up Operators	276	348	72	28	100
All Other Machine Operators & Tenders	257	322	65	24	89
Welders & Cutters	149	189	40	12	52
Pressers, Hand	76	98	22	9	31
Painting, Coating, & Decorating Workers, Hand	104	132	28	9	37
Engraving & Printing Workers, Hand	51	64	13	2	15
All Other Hand Workers	1,269	1,619	350	143	493
Stationary Engineers	53	61	8	6	14
All Other Plant & System Operators	29	35	6	2	8
Truck Drivers, Light - Incl. Delivery & Route	1,368	1,729	361	93	454
Bus Drivers	50	61	11	5	16
Bus Drivers, School	38	49	11	5	16
Taxi Drivers & Chauffeurs	50	60	10	6	16
Driving Sales Workers	237	301	64	14	78
All Other Motor Vehicle Operators	174	213	39	9	48
Service Station Attendants	173	222	49	19	68
Parking Lot Attendants	122	155	33	9	42
All Other Transportation & Related Workers	50	61	11	2	13
Industrial Truck & Tractor Operators	182	231	49	13	62
All Other Transportation & Moving Equip. Opers.	278	352	74	20	94
Mechanic & Repairer Helpers	166	211	45	17	62
Freight, Stock, & Material Movers, Hand	400	507	107	41	148
Hand Packers & Packagers	110	140	30	11	41
Vehicle Washers & Equipment Cleaners	968	1,248	280	114	394
All Other Helpers & Laborers	2,657	3,396	739	302	1,041
TOTAL ALL OCCUPATIONS	172,376	213,458	41,082	27,730	68,812

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
Metallurgical & Materials Engineers
Nuclear Engineers

All Other Physical Scientists
Physicists & Astronomers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MARICOPA COUNTY (CONTD.)

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICIAL (CONTD.)

All Other Physical & Life Science Techs.
Nuclear Technicians & Technologists

All Other Mathematical Scientists
Actuaries

All Other Teachers & Instructors
Teachers, Elementary School

All Other Professional, Paraprofessional, & Technical Workers
Reporters & Correspondents
Announcers, Radio & Television
Camera Operators, Television & Motion Picture
Broadcast Technicians
Film Editors
Music Directors, Singers, Composers, & Related

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Machinery Maintenance Mechanics
Machinery Maintenance Mechs., Marine Equip.

All Other Mechanics, Installers, & Repairers
Motorcycle Repairers
Mobile Heavy Equip. Mechanics, Exc. Engines
Watchmakers
Office Machine & Cash Register Servicers
Installers/Repairers - Manufactured Buildings

All Other Extraction Workers, Exc. Helpers
Septic Tank Servicers & Sewer Pipe Cleaners

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING (CONTD.)

All Other Precision Metal Workers
Precision Hand Workers, Jewelry & Related
Boilermakers

All Precision Woodworkers
Cabinetmakers & Bench Carpenters
Furniture Finishers

All Other Precision Textile & Apparel Workers
Shoe & Leather Workers & Repairers - Precision

All Other Precision Workers
Medical Appliance Makers

All Other Machine Setters & Set-Up Operators
Coating & Painting Machine Set-Up Operators

All Other Machine Operators & Tenders
Furnace, Kiln, Oven, Drier, or Kettle Opers.
Coating, Painting, & Spraying Machine Opers.

All Other Hand Workers
Solderers & Brazers
Sewers, Hand

All Other Transportation & Related Workers
Aircraft Pilots & Flight Engineers

All Other Helpers & Laborers
Machine Feeders & Offbearers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MOHAVE COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	102	111	9	5	14
Financial Managers	16	16	0	0	0
Medicine & Health Services Managers	5	5	0	0	0
Food Service & Lodging Managers	29	33	4	4	8
General Managers & Top Executives	38	43	5	1	6
All Other Managers & Administrators	14	14	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	559	633	74	67	141
Tax Preparers	18	20	2	1	3
Accountants & Auditors	19	21	2	1	3
All Other Management Support Workers	12	12	0	0	0
All Engineers	8	9	1	1	2
All Engineering & Related Technicians	21	23	2	0	2
All Social Scientists	3	3	0	0	0
Teachers, Preschool & Kindergarten	13	15	2	2	4
Instructors & Coaches, Sports & Physical Trng.	12	14	2	1	3
All Other Teachers & Instructors	9	9	0	1	1
Physicians & Surgeons	53	61	8	7	15
Dentists	15	17	2	1	3
All Other Health Diagnosing/Treating Practitioners	11	11	0	0	0
Respiratory Therapists	7	8	1	1	2
All Other Therapists	5	5	0	0	0
Registered Nurses	94	108	14	17	31
Licensed Practical Nurses	83	95	12	16	28
Medical & Clinical Laboratory Technologists	18	20	2	2	4
Medical & Clinical Laboratory Technicians	12	13	1	1	2
Dental Hygienists	28	32	4	5	9
Medical Records Technicians & Technologists	5	5	0	1	1
Radiologic Technicians	16	17	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	26	27	1	2	3
All Other Professional, Paraprofessional, & Technical Workers	71	88	17	6	23
SALES & RELATED OCCUPATIONS	69	87	18	8	26
First Line Supervisors & Managers - Sales	7	7	0	0	0
Salespersons, Retail	25	29	4	2	6
Cashiers	17	19	2	2	4
All Other Sales & Related Workers	20	32	12	4	16
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	517	590	73	68	141
First Line Supers.-Clerical & Admin. Support	10	12	2	0	2
Hotel Desk Clerks	123	146	23	26	49
Teacher Aides & Ed. Assistants, Clerical	18	20	2	1	3
Legal Secretaries	17	20	3	3	6
Medical Secretaries	23	26	3	4	7
All Other Secretaries	61	71	10	7	17
Receptionists & Information Clerks	35	39	4	4	8
Typists	24	26	2	4	6
File Clerks	7	7	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	10	11	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	50	56	6	6	12
Payroll & Timekeeping Clerks	6	7	1	0	1
Billing, Cost & Rate Clerks	17	18	1	1	2
General Office Clerks	63	69	6	8	14
All Office Machine Operators	7	7	0	0	0
All Communication Equipment Operators	8	12	4	2	6
Stock Clerks - Stockroom, Warehouse, or Yard	6	6	0	0	0
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical & Administrative Support	29	34	5	1	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MOHAVE COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
SERVICE OCCUPATIONS	1,118	1,303	185	193	378
Housekeepers	29	33	4	3	7
All Other Service Supervisors & Managers	12	12	0	0	0
Guards & Watch Guards	28	33	5	0	5
Bartenders	41	47	6	4	10
Waiters & Waitresses	120	140	20	25	45
Food Servers, Outside	11	12	1	1	2
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	34	39	5	1	6
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	18	20	2	3	5
Cooks, Restaurant	40	46	6	5	11
Cooks, Institution or Cafeteria	17	18	1	1	2
Food Preparation Workers	52	59	7	7	14
Combined Food Preparation & Service Workers	5	5	0	0	0
All Other Food Service Workers	24	26	2	2	4
Dental Assistants	21	24	3	5	8
Medical Assistants	38	43	5	8	13
Nursing Aides, Orderlies, & Attendants	68	78	10	14	24
All Other Health Service Workers	11	12	1	0	1
Maids & Housekeeping Cleaners	331	390	59	79	138
Janitors & Cleaners, Exc. Maids & Housekeeping	72	90	18	9	27
All Other Cleaning/Building Service, Exc. Private House	15	25	10	1	11
Hairdressers, Hairstylists, & Cosmetologists	54	63	9	14	23
Amusement & Recreation Attendants	30	34	4	1	5
Baggage Porters & Bellhops	6	7	1	0	1
Child Care Workers	35	41	6	9	15
All Other Service Workers	6	6	0	1	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	74	85	11	9	20
Gardeners & Groundskeepers, Exc. Farm	39	44	5	6	11
All Other Agri., Forestry, Fishing, & Related	35	41	6	3	9
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	362	431	69	20	89
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	13	15	2	0	2
All First Line Managers/Supervisors - Maintenance/Production/Construction	6	6	0	1	1
Maintenance Repairers, General Utility	77	91	14	4	18
Automotive Body & Related Repairers	19	22	3	1	4
Bus & Truck Mechs., & Diesel Eng. Specialists	44	52	8	3	11
All Electrical Mechs./Installers/Repairers	21	24	3	1	4
All Other Mechanics, Installers, & Repairers	30	37	7	1	8
All Construction Trades Workers	1	1	0	0	0
All Extraction Workers, Exc. Helpers	4	4	0	0	0
All Precision Workers	9	10	1	0	1
Laundry/Drycleaning Mach. Opers., Exc. Pressing	52	59	7	4	11
All Other Machine Operators & Tenders	10	11	1	1	2
Truck Drivers, Light - Incl. Delivery & Route	18	22	4	1	5
All Other Motor Vehicle Operators	28	44	16	1	17
All Freight & Material Movers, Hand	6	7	1	0	1
All Helpers & Laborers	24	26	2	2	4
TOTAL ALL OCCUPATIONS	2,801	3,240	439	370	809

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineers
Civil Engineers, Incl. Traffic

All Engineering & Related Technicians
Drafters
Surveying & Mapping Techs.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

MOHAVE COUNTY (CONTD.)

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL (CONTD.)

All Other Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

All Other Health Diagnosing/Treating Practitioners
Optometrists

All Other Health Professionals, Paraprofessionals, & Technicians
Dietetic Technicians

All Other Professional, Paraprofessional, & Technical Workers
Social Workers, Medical & Psychiatric
Recreation Workers
Lawyers
Musicians, Instrumental

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Counter & Rental Clerks

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Communication Equipment Operators
Switchboard Operators

All Other Clerical & Administrative Support
Bill & Account Collectors

SERVICE OCCUPATIONS

All Other Health Service Workers
Home Health Aides

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Electrical Mechs./Installers/Repairers
Electronic Home Entertainment Equip. Repairers
Electric Home Appliance & Power Tool Repairers

All Other Mechanics, Installers, & Repairers
Small Engine Specialists

All Precision Workers
Precision Dental Laboratory Technicians

All Other Machine Operators & Tenders
Motion Picture Projectionists

All Other Motor Vehicle Operators
Driving Sales Workers

All Helpers & Laborers
Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

NAVAJO COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	181	200	19	12	31
Financial Managers	15	15	0	0	0
Administrative Services Managers	12	13	1	1	2
Medicine & Health Services Managers	17	19	2	0	2
Food Service & Lodging Managers	16	17	1	0	1
General Managers & Top Executives	34	37	3	2	5
All Other Managers & Administrators	87	99	12	9	21
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,035	1,175	140	130	270
Accountants & Auditors	25	28	3	2	5
All Other Financial Specialists	6	6	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	5	5	0	0	0
All Other Management Support Workers	127	147	20	16	36
All Engineering & Related Technicians	35	40	5	1	6
All Physical Scientists	1	1	0	0	0
All Life Scientists	4	4	0	0	0
All Other Physical & Life Science Techs.	18	21	3	1	4
All Mathematical Scientists	2	2	0	0	0
All Social Scientists	7	7	0	0	0
Social Workers, Medical & Psychiatric	35	40	5	5	10
Social Workers, Exc. Medical & Psychiatric	52	61	9	9	18
Social Service Technicians	55	64	9	4	13
All Religious Workers	5	5	0	0	0
Lawyers	13	14	1	1	2
All Legal Assistants/Techs., Exc. Clerical	3	3	0	0	0
Teachers, Preschool & Kindergarten	62	73	11	11	22
Instructors, Nonvocational Education	14	16	2	1	3
Instructors & Coaches, Sports & Physical Trng.	32	37	5	2	7
All Other Teachers & Instructors	21	24	3	4	7
Vocational & Educational Counselors	20	22	2	2	4
Physicians & Surgeons	20	22	2	2	4
Dentists	14	15	1	1	2
All Other Health Diagnosing/Treating Practitioners	8	8	0	1	1
All Therapists	5	5	0	0	0
Registered Nurses	82	93	11	14	25
Licensed Practical Nurses	28	32	4	5	9
Physician Assistants	7	7	0	1	1
Pharmacists	5	5	0	1	1
Dietitians & Nutritionists	7	7	0	0	0
Dietetic Technicians	79	93	14	16	30
Medical & Clinical Laboratory Technologists	6	6	0	1	1
Medical & Clinical Laboratory Technicians	5	5	0	0	0
Dental Hygienists	14	16	2	3	5
Medical Records Technicians & Technologists	8	9	1	1	2
Radiologic Technicians	14	15	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	102	117	15	19	34
All Other Professional, Paraprofessional, & Technical Workers	89	100	11	5	16
SALES & RELATED OCCUPATIONS	136	155	19	19	38
First Line Supervisors & Managers - Sales	28	32	4	3	7
All Other Sales Representatives & Salespersons, Service	1	1	0	0	0
Cashiers	77	89	12	13	25
All Other Sales & Related Workers	30	33	3	3	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	739	869	130	120	250
First Line Supers.-Clerical & Admin. Support	25	27	2	2	4
Hotel Desk Clerks	58	67	9	12	21

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Teacher Aides & Ed. Assistants, Clerical	131	154	23	22	45
Medical Secretaries	6	6	0	1	1
All Other Secretaries	114	131	17	20	37
Receptionists & Information Clerks	32	34	2	5	7
Typists	48	55	7	10	17
File Clerks	40	47	7	11	18
Bookkeeping, Accounting, & Auditing Clerks	52	57	5	7	12
Payroll & Timekeeping Clerks	8	8	0	0	0
Billing, Cost & Rate Clerks	30	32	2	4	6
General Office Clerks	26	28	2	2	4
Computer Operators, Exc. Peripheral Equipment	6	6	0	0	0
All Other Office Machine Operators	6	6	0	0	0
Switchboard Operators	68	110	42	20	62
Stock Clerks - Stockroom, Warehouse, or Yard	22	25	3	2	5
All Other Material Recording/Scheduling/Dist.	8	10	2	0	2
All Other Clerical & Administrative Support	59	66	7	2	9
SERVICE OCCUPATIONS	1,044	1,226	182	170	352
Housekeepers	24	27	3	3	6
All Other Service Supervisors & Managers	36	44	8	6	14
Guards & Watch Guards	68	98	30	3	33
Bartenders	30	34	4	2	6
Waiters & Waitresses	104	123	19	22	41
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	40	46	6	1	7
Cooks, Restaurant	51	59	8	6	14
Cooks, Institution or Cafeteria	53	59	6	5	11
Food Preparation Workers	82	94	12	13	25
All Other Food Service Workers	13	13	0	0	0
Dental Assistants	19	22	3	5	8
Medical Assistants	13	14	1	2	3
Nursing Aides, Orderlies, & Attendants	44	50	6	9	15
Psychiatric Aides	6	7	1	1	2
All Other Health Service Workers	2	2	0	0	0
Maids & Housekeeping Cleaners	200	235	35	47	82
Janitors & Cleaners, Exc. Maids & Housekeeping	86	99	13	14	27
All Other Cleaning/Building Service, Exc. Private House	3	3	0	0	0
Hairdressers, Hairstylists, & Cosmetologists	40	47	7	10	17
Amusement & Recreation Attendants	46	54	8	6	14
Social Welfare Service Aides	8	8	0	0	0
Child Care Workers	19	21	2	4	6
All Other Service Workers	57	67	10	11	21
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	139	163	24	17	41
Gardeners & Groundskeepers, Exc. Farm	33	38	5	5	10
All Other Agri., Forestry, Fishing, & Related	106	125	19	12	31
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,047	1,214	167	86	253
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	26	30	4	2	6
First Line Managers/Supervisors - Construction Trades & Extraction Workers	21	24	3	2	5
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	17	19	2	2	4
Inspectors & Related Occupations	13	15	2	1	3
Maintenance Repairers, General Utility	151	175	24	12	36
Automotive Mechanics	13	14	1	0	1
All Other Mechanics, Installers, & Repairers	101	115	14	6	20
Carpenters	23	26	3	2	5
Electricians	18	21	3	1	4
Painters & Paperhangers - Construction & Maintenance	15	19	4	1	5

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Plumbers, Pipefitters, & Steamfitters	15	17	2	1	3
All Electrical Mechs./Installers/Repairers	6	7	1	0	1
All Extraction Workers, Exc. Helpers	40	47	7	3	10
All Precision Workers	102	119	17	9	26
Laundry/Drycleaning Mach. Opers., Exc. Pressing	39	44	5	3	8
All Machine Setters & Set-Up Operators	9	10	1	1	2
All Other Machine Operators & Tenders	37	43	6	4	10
All Hand Workers	2	2	0	0	0
All Plant & System Operators	6	7	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	13	15	2	0	2
Bus Drivers	27	30	3	2	5
All Other Motor Vehicle Operators	61	71	10	4	14
All Transportation & Related Workers	2	2	0	0	0
All Transportation & Moving Equip. Operators	38	45	7	3	10
Freight, Stock, & Material Movers, Hand	30	35	5	3	8
All Helpers & Laborers	222	262	40	24	64
TOTAL ALL OCCUPATIONS	4,321	5,002	681	554	1,235

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Managers & Administrators
Education Administrators

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Employment Interviewers
Personnel, Training, & Labor Rel. Specialists
Compliance & Enforcement Inspectors, Exc. Const.

All Engineering & Related Technicians
Surveying & Mapping Scientists
Surveying & Mapping Techs.

All Other Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

All Other Health Professionals,
Paraprofessionals, & Technicians
Opticians, Dispensing & Measuring

All Other Professional, Paraprofessional,
& Technical Workers
Recreation Workers
Instructional Coordinators

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATONS

All Other Secretaries
Legal Secretaries

All Other Clerical & Administrative Support
Welfare Eligibility Workers & Interviewers
Interviewing Clerks, Exc. Personnel & Welfare

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other First Line Managers/Supervisors -
Maintenance/Production/Construction
First Line Mgrs./Supers. - Transport. Operatives

All Other Mechanics, Installers, & Repairers
Automotive Body & Related Repairers
Bus & Truck Mechs., & Diesel Eng. Specialists

All Electrical Mechs./Installers/Repairers
Electronic Home Entertainment Equip. Repairers

All Helpers & Laborers
Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2,697	3,374	677	281	958
Financial Managers	423	528	105	37	142
Personnel, Training, & Labor Relations Mgrs.	71	80	9	3	12
Purchasing Managers	31	36	5	2	7
Marketing, Advertising, & Public Rel. Mgrs.	190	244	54	21	75
Administrative Services Managers	136	169	33	10	43
Education Administrators	25	30	5	2	7
Medicine & Health Services Managers	193	218	25	19	44
Construction Managers	29	38	9	3	12
Food Service & Lodging Managers	193	250	57	25	82
General Managers & Top Executives	976	1,253	277	109	386
All Other Managers & Administrators	430	528	98	50	148
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	15,601	19,059	3,458	2,323	5,781
Tax Preparers	38	49	11	5	16
Accountants & Auditors	522	666	144	68	212
Budget Analysts	21	25	4	2	6
All Other Financial Specialists	41	54	13	3	16
Purchasing Agents, Exc. Wholesale, Retail, & Farm	72	87	15	5	20
Employment Interviewers	102	136	34	12	46
Personnel, Training, & Labor Rel. Specialists	81	95	14	4	18
Cost Estimators	33	43	10	6	16
Compliance & Enforcement Inspectors, Exc. Const.	12	14	2	1	3
All Other Management Support Workers	329	415	86	39	125
Metallurgical & Materials Engineers	22	29	7	0	7
Civil Engineers, Incl. Traffic	181	237	56	25	81
Agricultural Engineers	40	54	14	3	17
Electrical & Electronic Engineers	115	152	37	5	42
Mechanical Engineers	57	74	17	2	19
All Other Engineers	46	58	12	1	13
Architects, Exc. Landscape & Marine	230	302	72	31	103
Landscape Architects	19	25	6	2	8
Civil Engineering Technicians & Technologists	76	100	24	10	34
Electrical/Electronic Engineering Technicians	88	114	26	3	29
Industrial Engineering Techs.	12	15	3	1	4
Mechanical Engineering Techs.	16	19	3	0	3
Drafters	401	526	125	32	157
Surveying & Mapping Techs.	195	256	61	13	74
All Other Engineering & Related Technicians	70	90	20	6	26
Chemists, Exc. Biochemists	21	28	7	2	9
Geologists, Geophysicists, & Oceanographers	35	44	9	1	10
All Other Physical Scientists	68	87	19	3	22
Biological Scientists	19	22	3	1	4
Medical Scientists	13	14	1	1	2
All Other Life Scientists	1	1	0	0	0
Chemical Techs., Exc. Health	85	116	31	9	40
All Other Physical & Life Science Techs.	67	89	22	6	28
Systems Analysts, Electronic Data Processing	65	85	20	1	21
Computer Programmers	164	212	48	5	53
Computer Programmer Aides	8	9	1	0	1
All Mathematical Scientists	16	20	4	0	4
Urban & Regional Planners	11	14	3	0	3
Psychologists	47	52	5	2	7
All Other Social Scientists	52	68	16	2	18
Social Workers, Medical & Psychiatric	316	378	62	53	115
Social Workers, Exc. Medical & Psychiatric	248	318	70	41	111
Social Service Technicians	234	292	58	18	76
Recreation Workers	68	89	21	9	30
Clergy	23	27	4	2	6
All Other Religious Workers	6	7	1	0	1
Lawyers	534	701	167	61	228

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Law Clerks	59	77	18	6	24
Paralegal Personnel	106	138	32	11	43
All Other Legal Assistants/Techs., Exc. Clerical	29	37	8	5	13
Nursing Instructors	30	34	4	1	5
Teachers, Preschool & Kindergarten	507	665	158	97	255
Teachers & Instructors, Voc. Ed. & Training	72	92	20	12	32
Instructors, Nonvocational Education	102	131	29	9	38
Instructors & Coaches, Sports & Physical Trng.	440	577	137	46	183
All Other Teachers & Instructors	66	81	15	12	27
Vocational & Educational Counselors	84	109	25	10	35
Instructional Coordinators	25	31	6	1	7
Physicians & Surgeons	1,107	1,268	161	164	325
Dentists	185	211	26	18	44
Optometrists	44	49	5	5	10
All Other Health Diagnosing/Treating Practitioners	8	9	1	2	3
Respiratory Therapists	172	196	24	26	50
Occupational Therapists	30	33	3	3	6
Physical Therapists	121	137	16	17	33
Speech Pathologists & Audiologists	13	14	1	1	2
Recreational Therapists	38	42	4	5	9
All Other Therapists	6	6	0	0	0
Registered Nurses	3,309	3,846	537	645	1,182
Licensed Practical Nurses	1,023	1,202	179	227	406
Emergency Medical Technicians	8	8	0	1	1
Physician Assistants	86	97	11	18	29
Opticians, Dispensing & Measuring	59	67	8	8	16
Pharmacists	129	147	18	27	45
Dietitians & Nutritionists	59	65	6	8	14
Dietetic Technicians	67	83	16	13	29
Medical & Clinical Laboratory Technologists	351	401	50	62	112
Medical & Clinical Laboratory Technicians	132	149	17	17	34
Dental Hygienists	181	207	26	40	66
Medical Records Technicians & Technologists	96	107	11	21	32
Nuclear Medicine Technologists	17	19	2	2	4
Radiologic Technologists	165	188	23	25	48
Radiologic Technicians	102	115	13	14	27
Electroencephalograph Techs.	13	14	1	1	2
Electrocardiograph Techs.	38	43	5	5	10
Surgical Technicians	88	100	12	12	24
All Other Health Professionals, Paraprofessionals, & Technicians	622	815	193	140	333
Writers & Editors	69	90	21	10	31
Technical Writers	9	11	2	0	2
Public Rel. Specialists & Publicity Writers	116	145	29	11	40
Reporters & Correspondents	90	122	32	17	49
Photographers	58	75	17	5	22
Artists & Related Workers	31	38	7	3	10
Designers, Exc. Interior Designers	68	87	19	4	23
Musicians, Instrumental	120	156	36	17	53
Dancers & Choreographers	11	14	3	3	6
Producers, Directors, Actors, & Entertainers	47	61	14	4	18
Athletes, Coaches, Umpires, & Related Workers	41	53	12	3	15
Funeral Directors & Morticians	38	50	12	3	15
Embalmers	11	14	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	183	225	42	9	51
SALES & RELATED OCCUPATIONS	1,737	2,255	518	272	790
First Line Supervisors & Managers - Sales	187	237	50	17	67
Sales Agents, Selected Business Services	155	209	54	24	78

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Sales Agents, Advertising	26	34	8	2	10
All Other Sales Representatives & Salespersons, Service	58	78	20	7	27
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	21	25	4	1	5
Other Sales Representatives, Exc. Retail	55	69	14	6	20
Salespersons, Retail	43	54	11	4	15
Salespersons, Parts	38	50	12	4	16
Counter & Rental Clerks	393	515	122	79	201
Cashiers	430	557	127	83	210
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	8	9	1	1	2
Demonstrators, Promoters, & Models	38	52	14	7	21
All Other Sales & Related Workers	285	366	81	37	118
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	8,833	10,942	2,109	1,606	3,715
First Line Supers.-Clerical & Admin. Support	374	459	85	38	123
Welfare Eligibility Workers & Interviewers	35	45	10	5	15
Bill & Account Collectors	58	79	21	9	30
Travel Clerks	28	36	8	6	14
Hotel Desk Clerks	298	406	108	66	174
Teacher Aides & Ed. Assistants, Clerical	155	202	47	26	73
Legal Secretaries	454	597	143	109	252
Medical Secretaries	277	315	38	61	99
All Other Secretaries	1,333	1,707	374	299	673
Stenographers	6	7	1	0	1
Receptionists & Information Clerks	1,002	1,220	218	207	425
Typists	351	411	60	80	140
Typists, Word Processing Equipment	153	197	44	12	56
Personnel Clerks, Exc. Payroll & Timekeeping	33	36	3	6	9
File Clerks	145	167	22	32	54
Order Clerks - Materials, Merch., & Service	38	42	4	5	9
Procurement Clerks	16	18	2	1	3
Statistical Clerks	94	108	14	17	31
Interviewing Clerks, Exc. Personnel & Welfare	384	491	107	61	168
Bookkeeping, Accounting, & Auditing Clerks	940	1,188	248	173	421
Payroll & Timekeeping Clerks	64	71	7	3	10
Billing, Cost & Rate Clerks	154	174	20	29	49
General Office Clerks	1,120	1,376	256	228	484
Billing, Posting, & Calculating Machine Opers.	38	44	6	4	10
Duplicating Machine Operators	7	8	1	0	1
Computer Operators, Exc. Peripheral Equipment	81	99	18	3	21
Peripheral EDP Equipment Operators	45	58	13	10	23
Data Entry Keyers, Exc. Composing	179	214	35	8	43
All Other Office Machine Operators	10	11	1	1	2
Switchboard Operators	318	398	80	79	159
Mail Clerks, Exc. Mail Machine Operators & Postal Service	5	6	1	0	1
Messengers	23	28	5	2	7
Dispatchers - Police, Fire, & Ambulance	7	8	1	0	1
Production, Planning, & Expediting Clerks	23	30	7	4	11
Stock Clerks - Stockroom, Warehouse, or Yard	154	179	25	14	39
Traffic, Shipping, & Receiving Clerks	39	45	6	1	7
All Other Material Recording/Scheduling/Dist.	12	13	1	0	1
All Other Clerical & Administrative Support	380	449	69	7	76
SERVICE OCCUPATIONS	13,356	17,031	3,675	2,581	6,256
First Line Supers. & Mgrs./Supers. - Service	89	112	23	16	39
Housekeepers	305	383	78	46	124
All Other Service Supervisors & Managers	183	233	50	32	82
Guards & Watch Guards	436	576	140	23	163
All Other Protective Service Workers	30	40	10	4	14

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	65	86	21	13	34
Bartenders	319	425	106	47	153
Waiters & Waitresses	960	1,293	333	222	555
Food Servers, Outside	172	220	48	15	63
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	398	514	116	21	137
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	157	202	45	34	79
Bakers, Bread & Pastry	21	26	5	3	8
Cooks, Restaurant	342	460	118	53	171
Cooks, Institution or Cafeteria	240	295	55	34	89
Cooks, Specialty Fast Food	16	19	3	1	4
Cooks, Short Order	17	22	5	1	6
Food Preparation Workers	565	709	144	100	244
All Other Food Service Workers	189	237	48	31	79
Dental Assistants	346	396	50	96	146
Medical Assistants	350	398	48	78	126
Nursing Aides, Orderlies, & Attendants	1,634	1,886	252	363	615
Home Health Aides	145	186	41	15	56
Psychiatric Aides	77	95	18	16	34
Physical & Corrective Therapy Assists./Aides	71	79	8	14	22
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	10	11	1	1	2
Pharmacy Assistants	72	81	9	15	24
All Other Health Service Workers	225	279	54	12	66
Maids & Housekeeping Cleaners	1,384	1,758	374	343	717
Janitors & Cleaners, Exc. Maids & Housekeeping	1,807	2,420	613	335	948
Pest Controllers & Assistants	202	277	75	24	99
All Other Cleaning/Building Service, Exc. Private House	123	161	38	19	57
Barbers	65	84	19	10	29
Hairdressers, Hairstylists, & Cosmetologists	1,113	1,464	351	309	660
Manicurists	30	38	8	7	15
Shampooers	10	13	3	2	5
Amusement & Recreation Attendants	311	406	95	45	140
Ushers, Lobby Attendants, & Ticket Takers	38	49	11	5	16
Baggage Porters & Bellhops	108	147	39	8	47
Wardrobe, Locker, & Dressing Room Attendants	12	14	2	1	3
Social Welfare Service Aides	43	54	11	6	17
Child Care Workers	383	501	118	104	222
All Other Service Workers	293	382	89	57	146
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	434	560	126	71	197
Gardeners & Groundskeepers, Exc. Farm	319	410	91	57	148
Animal Caretakers, Exc. Farm	43	54	11	7	18
All Other Agri., Forestry, Fishing, & Related	72	96	24	7	31
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	4,714	6,022	1,308	392	1,700
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	206	262	56	25	81
First Line Managers/Supervisors - Construction Trades & Extraction Workers	57	71	14	2	16
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	86	105	19	11	30
Precision Inspectors, Testers, & Graders	13	17	4	1	5
Production Inspectors, Testers, & Graders	7	8	1	0	1
All Other Inspectors, Testers, & Related	3	3	0	0	0
Machinery Maintenance Mechanics	14	16	2	0	2
Maintenance Repairers, General Utility	424	543	119	28	147
Automotive Mechanics	537	706	169	45	214
Automotive Body & Related Repairers	194	255	61	19	80
Electronic Home Entertainment Equip. Repairers	56	73	17	3	20
Electric Home Appliance & Power Tool Repairers	58	74	16	5	21

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Electric Motor, Transformer, & Rel. Repairers	32	42	10	3	13
All Other Electrical Mechs./Installers/Repairers	73	98	25	4	29
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	77	96	19	5	24
Electromedical & Biomedical Equip. Repairers	6	6	0	0	0
Locksmiths & Safe Repairers	82	107	25	7	32
Menders - Garments, Linens, & Related	12	15	3	1	4
All Other Mechanics, Installers, & Repairers	163	203	40	7	47
Carpenters	71	84	13	6	19
Electricians	51	61	10	3	13
Painters & Paperhangers - Construction & Maintenance	31	36	5	2	7
Plumbers, Pipefitters, & Steamfitters	26	31	5	1	6
All Other Construction Trades Workers	5	5	0	0	0
All Extraction Workers, Exc. Helpers	64	84	20	4	24
Machinists	29	35	6	1	7
All Other Precision Metal Workers	2	2	0	0	0
All Precision Woodworkers	3	3	0	0	0
Upholsterers	40	52	12	6	18
Spotters, Dry Cleaning	16	21	5	2	7
Pressers, Delicate Fabrics	39	51	12	5	17
All Other Precision Textile & Apparel Workers	21	25	4	2	6
All Precision Printing Workers	6	7	1	0	1
Precision Dental Laboratory Technicians	105	120	15	13	28
All Other Precision Workers	78	102	24	5	29
Printing Press Machine Operators & Tenders	22	30	8	2	10
All Other Printing & Related Machine Opers.	5	6	1	0	1
Sewing Machine Operators, Garment	20	26	6	2	8
Laundry/Drycleaning Mach. Opers., Exc. Pressing	357	458	101	33	134
Pressing Machine Opers. - Textile & Garments	71	93	22	9	31
Motion Picture Projectionists	27	34	7	5	12
Painters, Transportation Equipment	18	23	5	2	7
All Machine Setters & Set-Up Operators	23	27	4	0	4
All Other Machine Operators & Tenders	27	32	5	1	6
Welders & Cutters	30	37	7	2	9
Pressers, Hand	15	19	4	1	5
Sewers, Hand	7	7	0	0	0
All Other Hand Workers	217	293	76	22	98
Stationary Engineers	31	35	4	3	7
Truck Drivers, Light - Incl. Delivery & Route	235	295	60	11	71
Bus Drivers	12	15	3	0	3
All Other Motor Vehicle Operators	84	105	21	4	25
Service Station Attendants	39	50	11	4	15
Parking Lot Attendants	14	16	2	0	2
All Other Transportation & Moving Equip. Operators	7	8	1	0	1
Mechanic & Repairer Helpers	24	31	7	2	9
Machine Feeders & Offbearers	58	76	18	6	24
All Other Freight & Material Movers, Hand	120	153	33	9	42
Hand Packers & Packagers	38	50	12	3	15
Vehicle Washers & Equipment Cleaners	339	444	105	39	144
All Other Helpers & Laborers	187	240	53	16	69
TOTAL ALL OCCUPATIONS	47,372	59,243	11,871	7,526	19,397

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Management Support Workers
Management Analysts

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
Mining Engineers, Incl. Mine Safety
Chemical Engineers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PIMA COUNTY (CONTD.)

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL (CONTD.)

All Other Physical Scientists
Physicists & Astronomers

All Mathematical Scientists
Operations & Systems Analysts, Exc. Computer

All Other Professional, Paraprofessional, & Technical Workers
Librarians, Professional
Curators, Archivists, & Museum Technicians

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Investigators, Clerical
Library Assistants & Bookmobile Drivers

SERVICE OCCUPATIONS

All Other Food Service Workers
Combined Food Preparation & Service Workers

All Other Health Service Workers
Occupational Therapy Assistants & Aides

All Other Service Workers
Guides
Funeral Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Mobile Heavy Equip. Mechanics, Exc. Engines
Small Engine Specialists
Tire Repairers & Changers

All Extraction Workers, Exc. Helpers
Septic Tank Servicers & Sewer Pipe Cleaners

All Other Precision Textile & Apparel Workers
Custom Tailors & Sewers
Precision Dyers

All Precision Printing Workers
Precision Compositors/Typesetters/Arrangers

All Other Precision Workers
Precision Photographic Process Workers

All Other Printing & Related Machine Opers.
Photoengraving & Lithographing Machine Opers.

All Other Machine Operators & Tenders
Sewing Machine Operators, Non-Garment
Photographic Processing Mach. Opers. & Tenders

All Other Hand Workers
Painting, Coating, & Decorating Workers, Hand

All Other Motor Vehicle Operators
Bus Drivers, School
Driving Sales Workers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

FINAL COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	151	161	10	5	15
Financial Managers	11	12	1	0	1
Personnel, Training, & Labor Relations Mgrs.	7	7	0	0	0
Administrative Services Managers	10	11	1	0	1
Medicine & Health Services Managers	23	24	1	1	2
Food Service & Lodging Managers	23	25	2	2	4
General Managers & Top Executives	40	42	2	0	2
All Other Managers & Administrators	37	40	3	2	5
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	746	840	94	79	173
Accountants & Auditors	26	28	2	2	4
All Other Financial Specialists	11	12	1	1	2
All Other Management Support Workers	62	69	7	4	11
All Engineers	1	1	0	0	0
All Engineering & Related Technicians	7	8	1	0	1
All Mathematical Scientists	2	3	1	0	1
All Social Scientists	20	23	3	1	4
Social Workers, Exc. Medical & Psychiatric	27	30	3	3	6
Social Service Technicians	35	40	5	2	7
All Religious Workers	1	1	0	0	0
Lawyers	28	32	4	2	6
All Legal Assistants/Techs., Exc. Clerical	6	6	0	0	0
Teachers, Preschool & Kindergarten	23	27	4	4	8
All Other Teachers & Instructors	39	43	4	2	6
Physicians & Surgeons	31	35	4	4	8
Dentists	12	13	1	1	2
All Other Health Diagnosing/Treating Practitioners	10	11	1	1	2
All Therapists	1	1	0	0	0
Registered Nurses	140	161	21	25	46
Licensed Practical Nurses	57	64	7	10	17
Physician Assistants	10	10	0	1	1
Pharmacists	8	8	0	1	- 1
Medical & Clinical Laboratory Technologists	19	21	2	2	4
Medical & Clinical Laboratory Technicians	14	16	2	1	3
Dental Hygienists	10	11	1	2	3
Medical Records Technicians & Technologists	5	5	0	0	0
Radiologic Technologists	6	6	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	43	47	4	6	10
All Other Professional, Paraprofessional, & Technical Workers	92	108	16	4	20
SALES & RELATED OCCUPATIONS	87	126	39	15	54
First Line Supervisors & Managers - Sales	11	16	5	1	6
Counter & Rental Clerks	61	94	33	12	45
Cashiers	12	13	1	2	3
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	454	496	42	52	94
First Line Supers.-Clerical & Admin. Support	6	6	0	0	0
Hotel Desk Clerks	28	32	4	5	9
Teacher Aides & Ed. Assistants, Clerical	54	62	8	8	16
Legal Secretaries	14	16	2	3	5
Medical Secretaries	16	17	1	3	4
All Other Secretaries	86	95	9	13	22
Receptionists & Information Clerks	48	50	2	5	7
Typists	20	22	2	4	6
Bookkeeping, Accounting, & Auditing Clerks	39	41	2	3	5
Payroll & Timekeeping Clerks	5	5	0	0	0
Billing, Cost & Rate Clerks	29	31	2	3	5
General Office Clerks	23	24	1	2	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Office Machine Operators	3	3	0	0	0
All Communication Equipment Operators	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	7	7	0	0	0
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical & Administrative Support	69	78	9	3	12
SERVICE OCCUPATIONS	712	816	104	122	226
Housekeepers	9	10	1	1	2
All Other Service Supervisors & Managers	9	9	0	1	1
Guards & Watch Guards	8	8	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	10	11	1	2	3
Bartenders	40	46	6	4	10
Waiters & Waitresses	83	97	14	18	32
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	23	27	4	1	5
Cooks, Restaurant	33	38	5	4	9
Cooks, Institution or Cafeteria	20	22	2	2	4
Food Preparation Workers	61	71	10	10	20
All Other Food Service Workers	5	5	0	0	0
Dental Assistants	19	21	2	4	6
Medical Assistants	45	51	6	9	15
Nursing Aides, Orderlies, & Attendants	48	55	7	10	17
Pharmacy Assistants	6	6	0	1	1
All Other Health Service Workers	6	6	0	0	0
Maids & Housekeeping Cleaners	101	117	16	22	38
Janitors & Cleaners, Exc. Maids & Housekeeping	21	22	1	1	2
All Other Cleaning/Building Service, Exc. Private House	10	16	6	1	7
Hairdressers, Hairstylists, & Cosmetologists	60	71	11	16	27
Amusement & Recreation Attendants	20	22	2	2	4
Child Care Workers	14	16	2	3	5
All Other Service Workers	61	69	8	10	18
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	60	69	9	9	18
Gardeners & Groundskeepers, Exc. Farm	56	65	9	9	18
All Other Agri., Forestry, Fishing, & Related	4	4	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	252	281	29	12	41
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	14	15	1	1	2
All First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
All Inspectors, Testers, & Related	1	1	0	0	0
Maintenance Repairers, General Utility	54	59	5	2	7
Automotive Mechanics	35	40	5	2	7
All Other Mechanics, Installers, & Repairers	39	45	6	2	8
All Construction Trades Workers	22	25	3	1	4
All Extraction Workers, Exc. Helpers	1	1	0	0	0
All Precision Metal Workers	2	2	0	0	0
All Precision Woodworkers	1	1	0	0	0
All Precision Textile & Apparel Workers	4	4	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	8	8	0	0	0
All Plant & System Operators	4	4	0	0	0
Bus Drivers, School	29	34	5	2	7
All Other Motor Vehicle Operators	2	2	0	0	0
All Transportation & Moving Equip. Operators	1	1	0	0	0
Freight, Stock, & Material Movers, Hand	1	1	0	0	0
All Other Helpers & Laborers	30	34	4	2	6
TOTAL ALL OCCUPATIONS	2,462	2,789	327	294	621

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

PINAL COUNTY (CONTD.)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Financial Specialists
Tax Preparers

All Other Management Support Workers
Employment Interviewers
Personnel, Training, & Labor Rel. Specialists

All Other Social Scientists
Urban & Regional Planners

All Other Teachers & Instructors
Teachers, Elementary School
Instructors, Nonvocational Education
Instructors & Coaches, Sports & Physical Trng.

All Other Health Diagnosing/Treating Practitioners
Optometrists

All Other Health Professionals, Paraprofessionals, & Technicians
Opticians, Dispensing & Measuring
Dietitians & Nutritionists
Dietetic Technicians

All Other Professional, Paraprofessional, & Technical Workers
Computer Programmers
Computer Programmer Aides
Social Workers, Medical & Psychiatric
Vocational & Educational Counselors
Instructional Coordinators

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Welfare Eligibility Workers & Interviewers
File Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
Cooks, Specialty Fast Food

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

All Other Service Workers
Barbers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Automotive Body & Related Repairers
Heating, Air Conditioning, & Refrigeration Mechanics & Installers
Office Machine & Cash Register Servicers

All Other Construction Trades Workers
Carpenters
Septic Tank Servicers & Sewer Pipe Cleaners

All Other Helpers & Laborers
Mechanic & Repairer Helpers
Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

SANTA CRUZ COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	52	66	14	3	17
Financial Managers	5	6	1	0	1
Food Service & Lodging Managers	19	21	2	2	4
General Managers & Top Executives	15	19	4	0	4
All Other Managers & Administrators	13	20	7	1	8
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	165	180	15	18	33
Accountants & Auditors	14	15	1	1	2
All Other Financial Specialists	3	3	0	0	0
All Other Management Support Workers	3	3	0	0	0
All Social Scientists	1	1	0	0	0
All Religious Workers	1	1	0	0	0
All Legal Assistants/Techs., Exc. Clerical	3	3	0	0	0
All Teachers & Instructors	4	4	0	0	0
Physicians & Surgeons	12	13	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	2	2	0	0	0
All Therapists	3	3	0	0	0
Registered Nurses	68	78	10	11	21
Licensed Practical Nurses	18	20	2	4	6
All Other Health Professionals, Paraprofessionals, & Technicians	17	17	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	16	17	1	1	2
SALES & RELATED OCCUPATIONS	33	41	8	4	12
All Sales Representatives & Salespersons, Service	6	6	0	0	0
Counter & Rental Clerks	10	16	6	2	8
Cashiers	16	18	2	2	4
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	158	181	23	11	34
First Line Supers.-Clerical & Admin. Support	8	11	3	0	3
Hotel Desk Clerks	32	37	5	6	11
All Secretaries	24	24	0	1	1
Receptionists & Information Clerks	13	14	1	0	1
File Clerks	7	7	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	14	15	1	1	2
General Office Clerks	20	27	7	2	9
All Communication Equipment Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	11	15	4	0	4
All Other Material Recording/Scheduling/Dist.	3	4	1	0	1
All Other Clerical & Administrative Support	24	25	1	1	2
SERVICE OCCUPATIONS	434	506	72	54	126
Housekeepers	8	9	1	0	1
All Other Service Supervisors & Managers	6	6	0	0	0
Guards & Watch Guards	12	18	6	0	6
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	5	5	0	0	0
Bartenders	23	25	2	2	4
Waiters & Waitresses	54	62	8	11	19
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	38	44	6	1	7
Cooks, Restaurant	34	39	5	4	9
Cooks, Institution or Cafeteria	6	6	0	0	0
Food Preparation Workers	26	30	4	4	8
All Other Food Service Workers	18	18	0	0	0
Medical Assistants	9	10	1	2	3
Nursing Aides, Orderlies, & Attendants	31	35	4	6	10
All Other Health Service Workers	8	8	0	1	1
Maids & Housekeeping Cleaners	77	94	17	17	34
Janitors & Cleaners, Exc. Maids & Housekeeping	38	49	11	4	15

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

SANTA CRUZ COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Other Cleaning/Building Service, Exc. Private House	6	10	4	0	4
Amusement & Recreation Attendants	15	17	2	1	3
Baggage Porters & Bellhops	10	11	1	0	1
All Other Service Workers	10	10	0	1	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	39	44	5	6	11
Gardeners & Groundskeepers, Exc. Farm	39	44	5	6	11
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	166	235	69	13	82
All First Line Managers/Supervisors - Maintenance/Production/Construction	7	9	2	0	2
All Inspectors, Testers, & Related	60	100	40	9	49
Maintenance Repairers, General Utility	17	18	1	0	1
Automotive Mechanics	15	17	2	1	3
All Printing & Related Machine Opers.	4	6	2	0	2
Laundry/Drycleaning Mach. Opers., Exc. Pressing	14	15	1	0	1
All Other Machine Operators & Tenders	5	5	0	0	0
All Motor Vehicle Operators	5	5	0	0	0
All Freight & Material Movers, Hand	2	2	0	0	0
Hand Packers & Packagers	30	50	20	3	23
All Other Helpers & Laborers	7	8	1	0	1
TOTAL ALL OCCUPATIONS	1,047	1,253	206	109	315

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Managers & Administrators
Marketing, Advertising, & Public Rel. Mgrs.

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
Social Workers, Medical & Psychiatric

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Secretaries
Medical Secretaries

All Other Clerical & Administrative Support
Billing, Cost & Rate Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
Food Servers, Outside
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

All Other Service Workers
Hairdressers, Hairstylists, & Cosmetologists

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Machine Operators & Tenders
Pressing Machine Opers. - Textile & Garments

All Other Helpers & Laborers
Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YAVAPAI COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	185	202	17	8	25
Financial Managers	25	28	3	0	3
Administrative Services Managers	10	10	0	0	0
Medicine & Health Services Managers	13	13	0	0	0
Food Service & Lodging Managers	27	31	4	3	7
General Managers & Top Executives	72	78	6	2	8
All Other Managers & Administrators	38	42	4	3	7
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	824	934	110	96	206
Accountants & Auditors	36	40	4	4	8
All Other Financial Specialists	3	3	0	0	0
All Other Management Support Workers	14	20	6	1	7
Civil Engineers, Incl. Traffic	15	19	4	1	5
Surveying & Mapping Scientists	12	14	2	0	2
Drafters	24	29	5	1	6
All Other Engineering & Related Technicians	35	43	8	1	9
All Social Scientists	6	6	0	0	0
Social Workers, Medical & Psychiatric	25	28	3	3	6
Recreation Workers	14	16	2	0	2
All Religious Workers	2	2	0	0	0
Lawyers	26	30	4	2	6
All Legal Assistants/Techs., Exc. Clerical	4	4		0	0
Nursing Instructors	3	3	0	0	0
Instructors & Coaches, Sports & Physical Trng.	25	29	4	2	6
All Other Teachers & Instructors	17	18	1	0	1
Physicians & Surgeons	63	73	10	9	19
All Other Health Diagnosing & Treating Practitioners	23	25	2	2	4
Respiratory Therapists	12	13	1	1	2
All Other Therapists	5	5	0	0	0
Registered Nurses	230	265	35	43	78
Licensed Practical Nurses	52	58	6	10	16
Pharmacists	8	9	1	1	2
Medical & Clinical Laboratory Technologists	9	9	0	0	0
Medical & Clinical Laboratory Technicians	25	28	3	3	6
Dental Hygienists	29	33	4	6	10
Radiologic Technologists	15	16	1	1	2
Radiologic Technicians	10	10	0	0	0
Surgical Technicians	11	12	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	36	38	2	4	6
Funeral Directors & Morticians	8	9	1	0	1
All Other Professional, Paraprofessional, & Technical Workers	27	27	0	0	0
SALES & RELATED OCCUPATIONS	68	88	20	10	30
All Sales Representatives & Salespersons, Service	21	24	3	3	6
Counter & Rental Clerks	28	44	16	5	21
Cashiers	19	20	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	537	610	73	77	150
First Line Supers.-Clerical & Admin. Support	19	21	2	0	2
Hotel Desk Clerks	36	42	6	7	13
Legal Secretaries	30	35	5	7	12
Medical Secretaries	59	67	8	12	20
All Other Secretaries	73	85	12	10	22
Receptionists & Information Clerks	101	125	24	17	41
Typists	25	28	3	5	8
Statistical Clerks	6	6	0	1	1
Interviewing Clerks, Exc. Personnel & Welfare	7	8	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	51	55	4	6	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Payroll & Timekeeping Clerks	5	5	0	0	0
Billing, Cost & Rate Clerks	28	31	3	5	8
General Office Clerks	36	38	2	3	5
Billing, Posting, & Calculating Machine Opers.	10	10	0	1	1
All Other Office Machine Operators	8	8	0	0	0
Switchboard Operators	11	12	1	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	7	8	1	0	1
All Other Clerical & Administrative Support	25	26	1	1	2
SERVICE OCCUPATIONS	807	923	116	127	243
Housekeepers	10	10	0	0	0
All Service Supervisors & Managers	4	6	2	0	2
Guards & Watch Guards	17	18	1	0	1
Bartenders	39	45	6	5	11
Waiters & Waitresses	18	20	2	3	5
Food Servers, Outside	7	8	1	0	1
Cooks, Institution or Cafeteria	36	39	3	1	4
Cooks, Short Order	8	9	1	0	1
Food Preparation Workers	42	45	3	3	6
All Other Food Service Workers	17	18	1	0	1
Dental Assistants	37	43	6	10	16
Medical Assistants	19	20	1	2	3
Nursing Aides, Orderlies, & Attendants	136	157	21	29	50
Home Health Aides	40	47	7	4	11
Physical & Corrective Therapy Assists./Aides	7	7	0	1	1
Pharmacy Assistants	7	8	1	1	2
All Other Health Service Workers	3	3	0	0	0
Maids & Housekeeping Cleaners	183	213	30	42	72
Janitors & Cleaners, Exc. Maids & Housekeeping	38	41	3	1	4
Hairdressers, Hairstylists, & Cosmetologists	73	86	13	19	32
Amusement & Recreation Attendants	15	17	2	1	3
Child Care Workers	8	8	0	1	1
All Other Service Workers	43	55	12	4	16
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	45	50	5	5	10
Gardeners & Groundskeepers, Exc. Farm	36	40	4	4	8
All Other Agri., Forestry, Fishing, & Related	9	10	1	1	2
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	271	306	35	14	49
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	12	13	1	1	2
All First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
Maintenance Repairers, General Utility	41	44	3	2	5
Automotive Mechanics	50	59	9	4	13
All Other Mechanics, Installers, & Repairers	16	16	0	0	0
Carpenters	6	6	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	6	7	1	0	1
All Precision Metal Workers	5	5	0	0	0
All Precision Textile & Apparel Workers	24	27	3	3	6
Laundry/Drycleaning Mach. Opers., Exc. Pressing	39	44	5	2	7
All Other Machine Operators & Tenders	3	3	0	0	0
All Hand Workers	34	38	4	1	5
All Motor Vehicle Operators	17	25	8	1	9
All Helpers & Laborers	14	15	1	0	1
TOTAL ALL OCCUPATIONS	2,737	3,113	376	337	713

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YAVAPAI COUNTY (CONTD.)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Tax Examiners, Collectors, and Revenue Agents

All Other Engineering & Related Technicians
Civil Engineering Technicians & Technologists
Surveying & Mapping Techs.

All Social Scientists
Psychologists

All Other Teachers & Instructors
Instructors, Nonvocational Education

All Other Health Diagnosing & Treating Practitioners
Dentists

All Other Health Professionals, Paraprofessionals & Technicians
Physician Assistants

All Other Professional, Paraprofessional, & Technical Workers
Social Workers, Exc. Medical & Psychiatric

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Sales Agents, Selected Business Services

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Teacher Aides & Ed. Assistants, Clerical

SERVICE OCCUPATIONS

All Other Food Service Workers
Butchers & Meat Cutters

All Other Health Service Workers
Home Health Aides
Physical & Corrective Therapy Assists./Aides

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

All Other Agri., Forestry, Fishing, & Related Workers
Animal Caretakers, Exc. Farm

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Heating, Air Conditioning, & Refrigeration Mechanics & Installers
Locksmiths & Safe Repairers

All Other Precision Metal Workers
Machinists

All Other Precision Textile & Apparel Workers
Custom Tailors & Sewers
Spotters, Dry Cleaning
Pressers, Delicate Fabrics

All Other Hand Workers
Welders & Cutters
Pressers, Hand

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

All Other Helpers & Laborers
Mechanic & Repairer Helpers
Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YUMA COUNTY

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	189	223	34	7	41
Financial Managers	28	30	2	0	2
Administrative Services Managers	10	14	4	0	4
Medicine & Health Services Managers	15	15	0	0	0
Food Service & Lodging Managers	24	27	3	2	5
General Managers & Top Executives	78	89	11	2	13
All Other Managers & Administrators	34	48	14	3	17
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,042	1,194	152	129	281
Tax Preparers	15	17	2	2	4
Accountants & Auditors	47	57	10	5	15
All Other Financial Specialists	4	6	2	0	2
Personnel, Training, & Labor Rel. Specialists	6	6	0	0	0
All Other Management Support Workers	24	27	3	2	5
All Engineers	12	14	2	1	3
Drafters	18	21	3	1	4
All Other Engineering & Related Technicians	45	52	7	2	9
All Life Scientists	3	3	0	0	0
Systems Analysts, Electronic Data Processing	9	13	4	0	4
All Social Scientists	3	3	0	0	0
Social Workers, Medical & Psychiatric	11	12	1	1	2
Social Service Technicians	13	14	1	0	1
All Religious Workers	3	3	0	0	0
Lawyers	47	55	8	5	13
All Legal Assistants/Techs., Exc. Clerical	9	9	0	0	0
Teachers, Preschool & Kindergarten	21	24	3	3	6
All Other Teachers & Instructors	27	29	2	0	2
Physicians & Surgeons	63	72	9	8	17
Dentists	17	19	2	1	3
All Other Health Diagnosing & Treating Practitioners	3	3	0	0	0
Respiratory Therapists	8	9	1	1	2
All Other Therapists	10	11	1	1	2
Registered Nurses	204	235	31	37	68
Licensed Practical Nurses	152	174	22	32	54
Physician Assistants	14	15	1	2	3
Dietitians & Nutritionists	6	6	0	0	0
Medical & Clinical Laboratory Technologists	34	39	5	6	11
Medical & Clinical Laboratory Technicians	13	14	1	1	2
Medical Records Technicians & Technologists	20	23	3	5	8
Radiologic Technologists	13	14	1	1	2
Radiologic Technicians	18	20	2	2	4
Surgical Technicians	7	8	1	1	2
All Other Health Professionals, Paraprofessionals, & Technicians	50	52	2	6	8
All Other Professional, Paraprofessional, & Technical Workers	93	115	22	3	25
SALES & RELATED OCCUPATIONS	91	104	13	7	20
First Line Supervisors & Managers - Sales	14	15	1	0	1
All Sales Representatives & Salespersons, Service	4	5	1	0	1
Salespersons, Parts	6	7	1	0	1
Counter & Rental Clerks	27	34	7	5	12
Cashiers	29	30	1	2	3
All Other Sales & Related Workers	11	13	2	0	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	740	865	125	100	225
First Line Supers.-Clerical & Admin. Support	58	70	12	6	18
Hotel Desk Clerks	40	47	7	8	15
Legal Secretaries	39	46	7	9	16

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
Medical Secretaries	22	23	1	2	3
All Other Secretaries	64	74	10	7	17
Receptionists & Information Clerks	72	79	7	10	17
Typists	27	34	7	3	10
Typists, Word Processing Equipment	12	12	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	9	10	1	2	3
Statistical Clerks	9	10	1	1	2
Interviewing Clerks, Exc. Personnel & Welfare	12	13	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	73	82	9	7	16
Payroll & Timekeeping Clerks	9	11	2	0	2
Billing, Cost & Rate Clerks	59	67	8	12	20
General Office Clerks	111	131	20	19	39
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
Data Entry Keyers, Exc. Composing	9	9	0	0	0
All Other Office Machine Operators	1	1	0	0	0
Switchboard Operators	34	51	17	9	26
All Material Recording/Scheduling/Dist.	23	25	2	2	4
All Other Clerical & Administrative Support	52	65	13	2	15
SERVICE OCCUPATIONS	1,158	1,411	253	185	438
First Line Supers. & Mgrs./Supers. - Service	5	5	0	1	1
Housekeepers	13	14	1	1	2
All Other Service Supervisors & Managers	5	5	0	0	0
Guards & Watch Guards	114	183	69	6	75
All Other Protective Service Workers	24	40	16	4	20
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	9	10	1	1	2
Bartenders	41	46	5	5	10
Waiters & Waitresses	88	102	14	18	32
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	19	21	2	0	2
Cooks, Restaurant	27	31	4	3	7
Cooks, Institution or Cafeteria	18	19	1	1	2
Food Preparation Workers	76	88	12	12	24
All Other Food Service Workers	8	8	0	0	0
Dental Assistants	21	24	3	5	8
Medical Assistants	25	28	3	4	7
Nursing Aides, Orderlies, & Attendants	161	186	25	35	60
Physical & Corrective Therapy Assists./Aides	5	5	0	0	0
All Other Health Service Workers	38	43	5	2	7
Maids & Housekeeping Cleaners	185	215	30	42	72
Janitors & Cleaners, Exc. Maids & Housekeeping	89	119	30	12	42
All Other Cleaning/Building Service, Exc. Private House	14	22	8	1	9
Hairdressers, Hairstylists, & Cosmetologists	81	95	14	21	35
Amusement & Recreation Attendants	15	17	2	1	3
Ushers, Lobby Attendants, & Ticket Takers	11	12	1	1	2
Child Care Workers	25	27	2	5	7
All Other Service Workers	41	46	5	4	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	11	11	0	0	0
Gardeners & Groundskeepers, Exc. Farm	11	11	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	529	624	95	31	126
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	27	32	5	2	7
All First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Machinery Maintenance Mechanics	2	2	0	0	0
Maintenance Repairers, General Utility	78	93	15	4	19
Automotive Mechanics	79	92	13	6	19
Automotive Body & Related Repairers	34	40	6	3	9
Bus & Truck Mechs., & Diesel Eng. Specialists	35	52	17	2	19
Electronic Home Entertainment Equip. Repairers	18	21	3	1	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

SERVICES

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1984 EMPLOYMENT	PROJECTED MAY 1988 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1984-1988	JOB OPENINGS DUE TO SEPARATIONS 1984-1988	TOTAL JOB OPENINGS 1984-1988
All Other Mechanics, Installers, & Repairers	44	49	5	2	7
All Construction Trades Workers	4	4	0	0	0
All Precision Textile & Apparel Workers	31	34	3	1	4
Laundry/Drycleaning Mach. Opers., Exc. Pressing	38	43	5	2	7
Pressing Machine Opers. - Textile & Garments	16	18	2	2	4
Motion Picture Projectionists	7	8	1	1	2
All Other Machine Operators & Tenders	3	3	0	0	0
All Hand Workers	24	30	6	1	7
Bus Drivers	8	9	1	1	2
All Other Motor Vehicle Operators	19	20	1	0	1
All Transportation & Related Workers	4	4	0	0	0
All Material Moving Equipment Operators	3	5	2	0	2
Mechanic & Repairer Helpers	17	23	6	1	7
All Other Helpers & Laborers	33	37	4	2	6
TOTAL ALL OCCUPATIONS	3,760	4,432	672	459	1,131

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Managers & Administrators
Marketing, Advertising, & Public Rel. Mgrs.

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineers
Civil Engineers, Incl. Traffic

All Other Engineering & Related Technicians
Surveying & Mapping Techs.

All Other Teachers & Instructors
Instructors, Nonvocational Education
Instructors & Coaches, Sports & Physical Trng.

All Other Therapists
Physical Therapists

All Other Health Professionals, Paraprofessionals, & Technicians
Opticians, Dispensing & Measuring
Dietetic Technicians
Dental Hygienists

All Other Professional, Paraprofessional, & Technical Workers
Architects, Exc. Landscape & Marine
Computer Programmers
Computer Programmer Aides
Social Workers, Exc. Medical & Psychiatric
Vocational & Educational Counselors
Instructional Coordinators

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Material Recording/Scheduling/Dist.
Stock Clerks - Stockroom, Warehouse, or Yard

All Other Clerical & Administrative Support
Bill & Account Collectors
Teacher Aides & Ed. Assistants, Clerical

SERVICE OCCUPATIONS

All Other Cleaning/Building Service, Exc. Private House
Pest Controllers & Assistants

All Other Service Workers
Barbers
Manicurists
Baggage Porters & Bellhops

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Heating, Air Conditioning, & Refrigeration Mechanics & Installers
Camera & Photographic Equipment Repairers

All Precision Textile & Apparel Workers
Custom Tailors & Sewers
Upholsterers

All Hand Workers
Welders & Cutters

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route
Driving Sales Workers

All Other Helpers & Laborers
Machine Feeders & Offbearers
Vehicle Washers & Equipment Cleaners

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for the services industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-99 employees and all establishments having 100 or more employees were surveyed. The entire sample was composed of 5,796 firms with a usable response rate of 78 percent. Firms responding represented 91 percent of the industry's employment.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total services employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy.[1] The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

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[1] *Tomorrow's Manpower Needs*, Supplement No. 4, BLS, 1974, pp. 11-16.

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